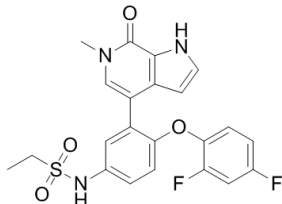


|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>      | : Mivebresib                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>          | : ABBV-075; ABBV075                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cat No.</b>           | : M11890                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>CAS Number</b>        | : 1445993-26-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Formula</b> | : C <sub>22</sub> H <sub>19</sub> F <sub>2</sub> N <sub>3</sub> O <sub>4</sub> S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Formula Weight</b>    | : 459.47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Chemical Name</b>     | : Ethanesulfonamide, N-[4-(2,4-difluorophenoxy)-3-(6,7-dihydro-6-methyl-7-oxo-1H-pyrrolo[2,3-c]pyridin-4-yl)phenyl]-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>       |  <p>Mivebresib (ABBV-075) is a potent and orally available BET bromodomain inhibitor with K<sub>i</sub> of 1.0, 12.2, 1.5, and 2.2 nM for BRD2, BRD3, BRD4 and BRDT, respectively; displays 54-fold selectivity over EP300, has potential weak activity against SMARCA4 (70% inhibition at 1 μM), K<sub>d</sub> &gt;1 μM for 18 other bromodomains; exhibits inhibition of c-Myc expression and displacing BRD4 from the Myc promoter; dose-dependently inhibits IL-6 concentration in a murine model of LPS-induced endotoxic shock, shows vivo antitumor efficacy in a Kasumi-1 AML mouse xenograft model. Breast Cancer Phase 1 Clinical</p> |
| <b>Pathway</b>           | : Chromatin/Epigenetic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Target</b>            | : Bromodomain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Receptor</b>          | : BET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Solubility</b>        | : DMSO: ≥ 37 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>SMILES</b>            | : <chem>CCS(=O)(=O)NC1=CC=C(OC2=CC=C(F)C=C2F)C(C3=CN(C)C(C4=C3C=CN4)=O)=C1=O</chem>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>           | : (-20°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Stability</b>         | : ≥ 2 years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Reference</b>         | :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

1. McDaniel KF, et al. J Med Chem. 2017 Oct 26;60(20):8369-8384.