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| <b>Product Name</b>      | : Indophagolin                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>          | : —                                                                                                                                                                                                                                                                                      |
| <b>Cat No.</b>           | : M23377                                                                                                                                                                                                                                                                                 |
| <b>CAS Number</b>        | : 1207660-00-1                                                                                                                                                                                                                                                                           |
| <b>Molecular Formula</b> | : C <sub>19</sub> H <sub>15</sub> BrClF <sub>3</sub> N <sub>2</sub> O <sub>3</sub> S                                                                                                                                                                                                     |
| <b>Formula Weight</b>    | : 523.8                                                                                                                                                                                                                                                                                  |
| <b>Chemical Name</b>     | : —                                                                                                                                                                                                                                                                                      |
| <b>Description</b>       | : Indophagolin is a potent, indoline-containing autophagy inhibitor with IC <sub>50</sub> of 140 nM. Indophagolin antagonizes the purinergic receptor P2X <sub>4</sub> as well as P2X <sub>1</sub> and P2X <sub>3</sub> with IC <sub>50</sub> s of 2.71, 2.40 and 3.49 μM, respectively. |
| <b>Pathway</b>           | : Autophagy                                                                                                                                                                                                                                                                              |
| <b>Target</b>            | : Autophagy                                                                                                                                                                                                                                                                              |
| <b>Receptor</b>          | : autophagy;P2X <sub>1</sub> ;P2X <sub>3</sub> ;P2X <sub>4</sub>                                                                                                                                                                                                                         |
| <b>Solubility</b>        | : DMSO:10 mM                                                                                                                                                                                                                                                                             |
| <b>SMILES</b>            | : <chem>O=S(C1=CC2=C(C=C1Br)CCN2C(C3CC3)=O)(NC4=CC=C(Cl)C(C(F)(F)F)=C4)=O</chem>                                                                                                                                                                                                         |
| <b>Storage</b>           | : (-20°C)                                                                                                                                                                                                                                                                                |
| <b>Stability</b>         | : ≥ 2 years                                                                                                                                                                                                                                                                              |
| <b>Reference</b>         | :                                                                                                                                                                                                                                                                                        |

1. Camero Corrales MA, et al. Thermal proteome profiling identifies the membrane-bound purinergic receptor P2X<sub>4</sub> as a target of the autophagy inhibitor indophagolin [published online ahead of print, 2021 Mar 9]. Cell Chem Biol. 2021;S2451-9456(21)00102-1.