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| <b>Product Name</b>      | : TH5487                                                                                              |
| <b>Synonyms</b>          | : —                                                                                                   |
| <b>Cat No.</b>           | : M21183                                                                                              |
| <b>CAS Number</b>        | : 2304947-71-3                                                                                        |
| <b>Molecular Formula</b> | : C <sub>19</sub> H <sub>18</sub> BrN <sub>4</sub> O <sub>2</sub>                                     |
| <b>Formula Weight</b>    | : 541.18                                                                                              |
| <b>Chemical Name</b>     | : 4-(4-Bromo-2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-N-(4-iodophenyl)-1-piperidinecarboxamide         |
| <b>Description</b>       | : TH5487 is a potent inhibitor of 8-oxoguanine DNA glycosylase 1 (OGG1) (IC <sub>50</sub> of 342 nM). |
| <b>Pathway</b>           | : Others                                                                                              |
| <b>Target</b>            | : Other Targets                                                                                       |
| <b>Receptor</b>          | : 8-oxoguanine DNA glycosylase 1 (OGG1)                                                               |
| <b>Solubility</b>        | : DMSO:25 mg/mL (46.20 mM; Need ultrasonic)                                                           |
| <b>SMILES</b>            | : <chem>O=C(Nc1ccc(I)cc1)N1CCC(=O)Nc2cc(Br)ccc2CC1</chem>                                             |
| <b>Storage</b>           | : (-20°C)                                                                                             |
| <b>Stability</b>         | : ≥ 2 years                                                                                           |
| <b>Reference</b>         | :                                                                                                     |

I.Visnes T et al. Small-molecule inhibitor of OGG1 suppresses proinflammatory gene expression and inflammation. Science. 2018 Nov 16;362(6416):834-839.