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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>      | : AK-778-XXMU                                                                                                                                                                                                                            |
| <b>Synonyms</b>          | : —                                                                                                                                                                                                                                      |
| <b>Cat No.</b>           | : M35591                                                                                                                                                                                                                                 |
| <b>CAS Number</b>        | : 1227045-76-2                                                                                                                                                                                                                           |
| <b>Molecular Formula</b> | : C <sub>22</sub> H <sub>17</sub> ClN <sub>2</sub> O <sub>3</sub>                                                                                                                                                                        |
| <b>Formula Weight</b>    | : 392.835                                                                                                                                                                                                                                |
| <b>Chemical Name</b>     | : —                                                                                                                                                                                                                                      |
| <b>Description</b>       | : AK-778-XXMU is a potent inhibitor of DNA Binding 2 (ID2) antagonist with a KD of 129 nM. AK-778-XXMU can inhibit cell migration and invasion of glioma cell lines, induce apoptosis, and more importantly, slow down the tumor growth. |
| <b>Pathway</b>           | : Others                                                                                                                                                                                                                                 |
| <b>Target</b>            | : Other Targets                                                                                                                                                                                                                          |
| <b>Receptor</b>          | : Others                                                                                                                                                                                                                                 |
| <b>Solubility</b>        | : In Vitro: ?DMSO : 100 mg/mL (254.56 mM; Ultrasonic )                                                                                                                                                                                   |
| <b>SMILES</b>            | : <chem>O=C(C1=NC=CC=C1)CC2(O)C(=O)N(C=CC=CC32)CC=CC=C(Cl)C4</chem>                                                                                                                                                                      |
| <b>Storage</b>           | : (-20°C)                                                                                                                                                                                                                                |
| <b>Stability</b>         | : ≥ 2 years                                                                                                                                                                                                                              |
| <b>Reference</b>         | :                                                                                                                                                                                                                                        |

1. Zhong G, et al. Discovery of novel ID2 antagonists from pharmacophore-based virtual screening as potential therapeutics for glioma. Bioorg Med Chem. 2021;49:116427. ?