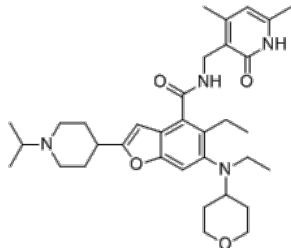


|                          |                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                    |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Product Name</b>      | : EBI-2511                                                                                                                                                                                                                                                                                                                                                                                              |  |
| <b>Synonyms</b>          | : EBI2511                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                    |
| <b>Cat No.</b>           | : M13319                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                    |
| <b>CAS Number</b>        | : 2098546-05-3                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                    |
| <b>Molecular Formula</b> | : C34H48N4O4                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |
| <b>Formula Weight</b>    | : 576.78                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                    |
| <b>Chemical Name</b>     | N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-ethyl-6-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-2-(1-isopropylpiperidin-4-yl)benzofuran-4-carboxamide                                                                                                                                                                                                                                           |                                                                                    |
| <b>Description</b>       | EBI-2511 is a highly potent and orally active EZH2 inhibitor with IC50 of 4 nM against mutant EZH2 A677G; significantly reduces cellular H3K27me3 levels in a dose-dependent with IC50 of 8 nM in Pfeiffer cell line, IC50 of 55 nM against WSU-DLCL2; dose-dependently inhibits tumor growth at 10-100 mg/kg, po., shows a superior anti-tumor efficacy to EPZ-6438 in Pfeiffer Xenograft mouse model. |                                                                                    |
| <b>Pathway</b>           | : Chromatin/Epigenetic                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                    |
| <b>Target</b>            | : HMTase                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                    |
| <b>Receptor</b>          | : HMTase                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                    |
| <b>Solubility</b>        | : DMSO : 5 mg/mL 8.67 mM                                                                                                                                                                                                                                                                                                                                                                                |                                                                                    |
| <b>SMILES</b>            | : <chem>O=C(C1=C2C=C(C3CCN(C(C)C)CC3)OC2=CC(N(CC)C4CCOCC4)=C1CC)NCC5=C(C)C=C(C)NC5=O</chem>                                                                                                                                                                                                                                                                                                             |                                                                                    |
| <b>Storage</b>           | : (-20°C)                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                    |
| <b>Stability</b>         | : ≥ 2 years                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                    |
| <b>Reference</b>         | :                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                    |

1. Lu B, et al. ACS Med Chem Lett. 2018 Jan 29;9(2):98-102.