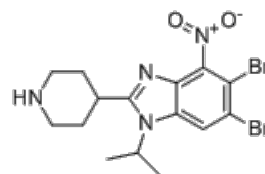


Product Name	: SEL24-B489
Synonyms	: SEL24
Cat No.	: M12358
CAS Number	: 1616359-00-2
Molecular Formula	: C ₁₅ H ₁₈ Br ₂ N ₄ O ₂
Formula Weight	: 446.14
Chemical Name	: 5,6-dibromo-4-nitro-2-(piperidin-4-yl)-1-(propan-2-yl)-1H-1,3-benzodiazole
Description	SEL24-B489 (SEL24) is a potent, dual PIM and FLT3-ITD inhibitor with K_d of 2/2/3 nM for PIM1/2/3, K_d of 160/16 nM for FLT3-WT/FLT3-ITD, respectively; exhibits significantly broader on-target activity in AML cell lines (MV-4-11 GI₅₀=20 nM) and primary AML blasts than selective FLT3-ITD or PIM inhibitors, decreases viability of AML cells with FLT3-TKD mutations associated with resistance to selective FLT3-ITD inhibitors; inhibits the growth of a broad panel of AML cell lines in xenograft models. Blood Cancer Phase 2 Clinical
Pathway	: JAK/STAT Signaling
Target	: Pim
Receptor	: Pim
Solubility	: —
SMILES	: <chem>CC(N1C(C2CCNCC2)=NC3=C([N+](=[O-])=O)C(Br)=C(Br)C=C31)C.[H]Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Czardybon W, et al. Oncotarget. 2018 Mar 30;9(24):16917-16931. | 2. Biaopiotrowicz E, et al. J Cell Mol Med. 2018 Apr 17. doi: 10.1111/jcmm.13632. | 3. Szydowski M, et al. Blood. 2017 Sep 21;130(12):1418-1429.