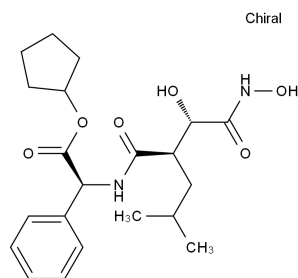


Product Name	: Tosedostat
Synonyms	: CHR-2797;CHR2797
Cat No.	: M13689
CAS Number	: 238750-77-1
Molecular Formula	: C ₂₁ H ₃₀ N ₂ O ₆
Formula Weight	: 406.48
Chemical Name	: cyclopentyl (S)-2-((R)-2-((S)-1-hydroxy-2-(hydroxyamino)-2-oxoethyl)-4-methylpentanamido)-2-phenylacetate
Description	Tosedostat (CHR-2797, CHR2797) is a potent, orally bioavailable aminopeptidases inhibitor with IC ₅₀ of 150, 220 and 100 nM for PuSA, aminopeptidase N and leucine aminopeptidase, respectively; exerts antiproliferative effects against a range of tumor cell lines in vitro and in vivo and shows selectivity for transformed over nontransformed cells; inhibits phosphorylation of mTOR substrates and reduces protein synthesis in HL-60 cells. Blood Cancer Phase 2 Clinical
Pathway	: Metabolic Enzyme/Protease
Target	: Aminopeptidase
Receptor	: M1-aminopeptidase
Solubility	: DMSO: >10 mM (< 1 mg/ml refers to the product slightly soluble or insoluble)
SMILES	: <chem>O=C(OC1CCCC1)[C@@H](NC([C@@H]([C@H](O)C(=O)N)CC(C)C=O)C2=CC=CC=C2</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Krige D, et al. Cancer Res. 2008 Aug 15;68(16):6669-79. | 2. Moore HE, et al. Mol Cancer Ther. 2009 Apr;8(4):762-70. | 3. Reid AH, et al. Clin Cancer Res. 2009 Aug 1;15(15):4978-85.