



Product Information

MMP inhibitor TAPI-2, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ212

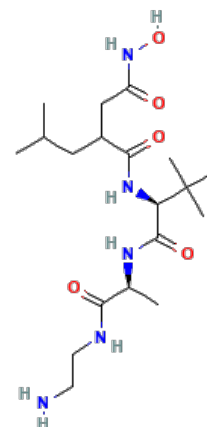
Size: 2 mg; 5 mg; 10 mg; 25 mg

CAS Number: 187034-31-7

Compound CID: 10093303

Synonym: 187034-31-7; MMP inhibitor; TNF Protease Inhibitor 2

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	TAPI-2 inhibits MMPs, enzymes that degrade extracellular matrix components, thus having potential therapeutic applications in cancer and chronic inflammatory diseases. It targets MMP.
Molecular Weight	415.53
Molecular Formula	C ₁₉ H ₃₇ N ₅ O ₅
Targets	MMP: 20 μ M
IUPAC Name	<i>N</i> -[[(2 <i>S</i>)-1-[[[(2 <i>S</i>)-1-(2-aminoethylamino)-1-oxopropan-2-yl]amino]-3,3-dimethyl-1-oxobutan-2-yl]- <i>N'</i> -hydroxy-2-(2-methylpropyl)butanediamide]
InChI	InChI=1S/C19H37N5O5/c1-11(2)9-13(10-14(25)24-29)17(27)23-15(19(4,5)6)18(28)22-12(3)16(26)21-8-7-20/h11-13,15,29H,7-10,20H2,1-6H3,(H,21,26)(H,22,28)(H,23,27)(H,24,25)/t12-,13?,15+/m0/s1
InChI Key	LMIQCBIEAHJAMZ-RMTCENKZSA-N
Canonical SMILES	CC(C)CC(CC(=O)NO)C(=O)NC(C(=O)NC(C)C(=O)NCCN)C(C)(C)C
Isomeric SMILES	C[C@@H](C(=O)NCCN)NC(=O)[C@H](C(C)(C)C)NC(=O)C(CC(C)C)CC(=O)NO
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade



Applications

TAPI-2 is an MMP inhibitor used to study the inhibition of matrix metalloproteinases involved in tissue remodeling and cancer.

Storage

Store at -20°C, and keep desiccated.
