

Product Information

YYA-021, Purity ≥98%

Cat. No.: X24-09-YM1292

Size: 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD00738763

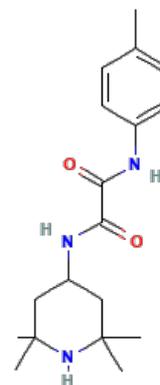
CAS Number: 144217-65-2

Compound CID: 3107635

Synonym: 144217-65-2; YYA 021; YYA021; *N'*-(4-Methylphenyl)-*N*-

-(2,2,6,6-tetramethylpiperidin-4-yl)oxamide

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



Product Information

Description	YYA-021, soluble in DMSO and insoluble in water and ethanol, is a CD4-mimic HIV entry inhibitor. The molecular weight of the compound is 317.43, and its molecular formula is C ₁₈ H ₂₇ N ₃ O ₂ .
Molecular Weight	317.43
Molecular Formula	C ₁₈ H ₂₇ N ₃ O ₂
IUPAC Name	<i>N'</i> -(4-Methylphenyl)- <i>N</i> -(2,2,6,6-tetramethylpiperidin-4-yl)oxamide
InChI	InChI=1S/C18H27N3O2/c1-12-6-8-13(9-7-12)19-15(22)16(23)20-14-10-17(2,3)21-18(4,5)11-14/h6-9,14,21H,10-11H2,1-5H3,(H,19,22)(H,20,23)
InChI Key	AYAGJQPDCPRMNG-UHFFFAOYSA-N
Canonical SMILES	CC1=CC=C(C=C1)NC(=O)C(=O)NC2CC(NC(C2)(C)C)(C)C
Isomeric SMILES	C[C@@H](C(=O)N[C@@H](CCC(=O)O)C(=O)N[C@@H](CC(=O)O)C(=O)NCC(=O)O)N
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 0.01 mg/mL (0.03 mM); Water: insoluble; Ethanol: insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	YYA-021 plays a key role in many cellular processes, including cell growth and survival.
Storage	Store at -20°C, and keep desiccated.

