

Product Information

ACAT1 inhibitor, ATR-101, Purity ≥98%

Cat. No.: X24-09-YM1298

Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 133825-80-6

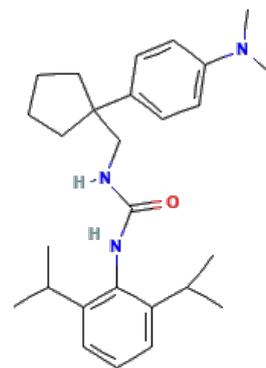
Compound CID: 131679

Synonym: 133825-80-6; ATR 101; ATR101; PD-132301;

1-[[1-[4-(Dimethylamino)phenyl]cyclopentyl]methyl]-3-[2,6-di(propan-2-yl)phenyl]urea;

ACAT1 inhibitor

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



Product Information

Description	ATR-101 is classified as an anticancer agent. The molecular weight of the compound is 435.64, and its molecular formula is C ₂₈ H ₄₁ N ₃ O. It targets the ACAT1 and ACAT2.
Molecular Weight	435.64
Molecular Formula	C ₂₈ H ₄₁ N ₃ O
Targets	ACAT1
IUPAC Name	1-[[1-[4-(Dimethylamino)phenyl]cyclopentyl]methyl]-3-[2,6-di(propan-2-yl)phenyl]urea
InChI	InChI=1S/C27H39N3O/c1-19(2)23-10-9-11-24(20(3)4)25(23)29-26(31)28-18-27(16-7-8-17-27)21-12-14-22(15-13-21)30(5)6/h9-15,19-20H,7-8,16-18H2,1-6H3,(H2,28,29,31)
InChI Key	PKKNCEXEUVFFFI-UHFFFAOYSA-N
Canonical SMILES	CC(C)C1=C(C(=CC=C1)C(C)C)NC(=O)NCC2(CCCC2)C3=CC=C(C=C3)N(C)C
Isomeric SMILES	CC[C@H](C)[C@@H](C(=O)N[C@@H](CC1=CN=CN1)C(=O)N2CCC[C@H]2C(=O)O)NC(=O)[C@H](CC3=CC=C(C=C3)O)NC(=O)[C@H](C(C)C)NC(=O)[C@H](CCCN=C(N)N)NC(=O)[C@H](CC(=O)O)N
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	ATR-101 can be studied extensively for its potential therapeutic applications in the treatment of lipid



metabolism-dependent cancers.

Storage

Store at -20°C, and keep desiccated.
