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DATASHEET

DBZ (Dibenzazepine)

Product overview

Name	DBZ (Dibenzazepine)
Cat No	HB3419
Alternative names	Dibenzazepine, YO-01027, γ -secretase Inhibitor XX, LY-411575, Deshydroxy LY-411575
Biological action	Inhibitor
Purity	>99%
Description	γ -secretase and Notch pathway inhibitor. Stimulates iPSC formation.

Biological Data

Biological description	γ -secretase inhibit and Notch pathway inhibitor. It stimulates iPSC formation from human keratinocytes.
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Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in DMSO (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	N-[(1S)-2-[[[(7S)-6,7-Dihydro-5-methyl-6-oxo-5H-dibenz[b,d]azepin-7-yl]amino]-1-methyl-2-oxoethyl]-3,5-difluorobenzeneacetamide
Molecular Weight	463.48
Chemical structure	
Molecular Formula	C ₂₆ H ₂₃ F ₂ N ₃ O ₃
CAS Number	209984-56-5
PubChem identifier	11454028
SMILES	CC1=CC=C(C=C1)C(=O)N[C@@H](C)C(=O)N[C@@H](C)C2=CC=C(C=C2)C3=CC(=CC=C3)[C@H](NC([C@@H](NC(CC4=CC(F)=CC(F)=C4)=O)C)=O)C1=O
Source	Synthetic
InChi	InChI=1S/C26H23F2N3O3/c1-15(29-23(32)13-16-11-17(27)14-18(28)12-16)25(33)30-24-21-9-4-3-7-19(21)20-8-5-6-10-22(20)31(2)26(24)34/h3-12,14-15,24H,13H2,1-2H3,(H,29,32)(H,30,33)/t15-,24-/m0/s1
InChiKey	QSHGISMANBKLQL-OWJWWREXSA-N
MDL number	MFCD12828734
Appearance	White solid