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## DATASHEET

DBZ (Dibenzazepine)

### Product overview

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

### Biological Data

<b>Biological description</b>	$\gamma$ -secretase inhibit and Notch pathway inhibitor. It stimulates iPSC formation from human keratinocytes.
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### Solubility & Handling

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

### Chemical Data

<b>Chemical name</b>	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
<b>Molecular Weight</b>	463.48
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>26</sub> H <sub>23</sub> F <sub>2</sub> N <sub>3</sub> O <sub>3</sub>
<b>CAS Number</b>	209984-56-5
<b>PubChem identifier</b>	11454028
<b>SMILES</b>	CN1C2=C(C=CC=C2)C3=C(C=CC=C3)[C@H](NC([C@@H](NC(CC4=CC(F)=CC(F)=C4)=O)C)=O)C1=O
<b>Source</b>	Synthetic
<b>InChi</b>	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
<b>InChiKey</b>	QSHGISMANKLQL-OWJWWREXSA-N
<b>MDL number</b>	MFCD12828734
<b>Appearance</b>	White solid