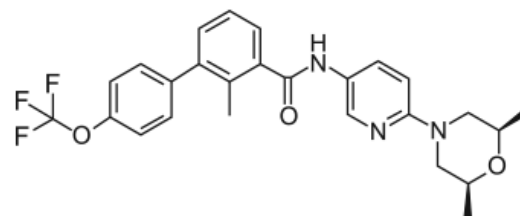


# LDE225

Catalog Number: ST10031



Size	2 mg
Description	LDE225 is a potent and specific Hedgehog pathway inhibitor through binding and antagonizing Smoothed (IC <sub>50</sub> = 11 nM). LDE225 has been shown to induce tumor regression in animal models of medulloblastoma. It is currently in the clinical trials to treat cancers.
Molecular Weight	485.5
Molecular Formula	C <sub>26</sub> H <sub>26</sub> F <sub>3</sub> N <sub>3</sub> O <sub>3</sub>
Chemical Name	N-(6-[(2R,6S)-2,6-dimethylmorpholin-4-yl]pyridin-3-yl)-2-methyl-3-[4-(trifluoromethoxy)phenyl]benzamide
CAS Number	956697-53-3
PubChem Identifier	24775005
Appearance	White to off-white solid
Purity	>98% by HPLC analysis
Solubility	Soluble in DMSO at 100 mM
Reconstitution	For a 10 mM concentrated stock solution, reconstitute the compound by adding 412 µL of DMSO to the entire contents of vial. If precipitate is observed, warm the solution to 37°C for 2 to 5 minutes.
Recommended Usage	For use in cell culture, warm medium just prior to adding the reconstituted compound. Once the compound is added, mix and filter-sterilize the medium using a 0.2 µM low-protein binding filter. Note: for most cells, the maximum tolerance to DMSO is less than 0.5%.
Storage and Stability	Solid: Shipped at room temperature. Store at -20°C. Stable for 6 months when stored as directed. Solution: Following reconstitution, store aliquots in tightly sealed vials at -20°C. Avoid repeated freeze-thaw cycles.
References	<p>Buonamici, S., et al. (2010) Interfering with resistance to smoothed antagonists by inhibition of the PI3K pathway in medulloblastoma. <i>Sci Transl Med</i> 2(51): 51. PMID: 20881279.</p> <p>Heller, E., et al. (2012) Hedgehog signaling inhibition blocks growth of resistant tumors through effects on tumor microenvironment. <i>Cancer Res</i> 72(4): 897-907. PMID: 22186138.</p> <p>Pan, S., et al. (2010) Discovery of NVP-LDE225, a Potent and Selective Smoothed Antagonist. <i>ACS Med Chem Lett</i> 1(3): 130-134. PMID: 24900187.</p>

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