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Produktinformation

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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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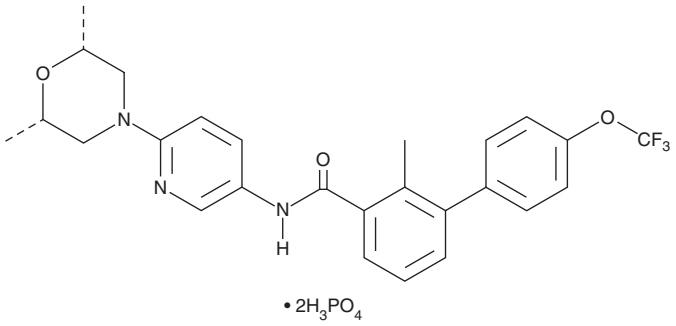
PRODUCT INFORMATION

LDE225 (phosphate)

Item No. 16263

CAS Registry No.: 1218778-77-8
Formal Name: *rel*-N-[6-[(2R,6S)-2,6-dimethyl-4-morpholinyl]-3-pyridinyl]-2-methyl-4'-(trifluoromethoxy)-[1,1'-biphenyl]-3-carboxamide, diphosphate
Synonyms: Erismodegib, NVP-LDE225, Sonidegib
MF: $C_{26}H_{26}F_3N_3O_3 \bullet 2H_3PO_4$
FW: 681.5
Purity: ≥98%
UV/Vis.: λ_{max}: 276 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

LDE225 (phosphate) is supplied as a crystalline solid. A stock solution may be made by dissolving the LDE225 (phosphate) in the solvent of choice, which should be purged with an inert gas. LDE225 (phosphate) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of LDE225 (phosphate) in these solvents is approximately 10 mg/ml.

LDE225 (phosphate) is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, LDE225 (phosphate) should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. LDE225 (phosphate) has a solubility of approximately 0.3 mg/ml in a 1:2 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

LDE225 is a smoothened (Smo) antagonist (IC_{50}s = 1.3 and 2.5 nM for mouse and human Smo, respectively).[1] *In vivo*, LDE225 (20 mg/kg per day) inhibits *Gli1* mRNA expression and prevents tumor growth in an orthotopic *Ptch*$^{+/-}$ *p53*$^{-/-}$ medulloblastoma mouse allograft model. Formulations containing LDE225 have been used in the treatment of locally advanced basal cell carcinomas.

Reference

1. Pan, S., Wu, X., Jiang, J., *et al*. Discovery of NVP-LDE225, a potent and selective smoothened antagonist. *ACS Med. Chem. Lett.* **1(3)**, 130-134 (2010).

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