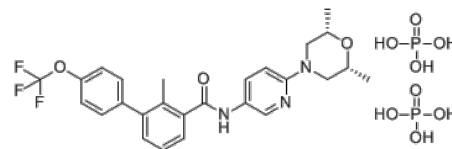


Product Name : Sonidegib phosphate
Cat. No. : PC-38710
CAS No. : 1218778-77-8
Molecular Formula : C₂₆H₃₂F₃N₃O₁₁P₂
Molecular Weight : 681.49
Target : Smoothed (Smo)
Solubility : 10 mM in DMSO



Biological Activity

Sonidegib (Erismodegib, LDE225, NVP-LDE225) is potent, selective, orally available **Smoothed** (SMO) antagonist, inhibits Hedgehog (Hh) signaling with IC₅₀ of 1.3 nM (mouse) and 2.5 nM (human) in cell-free assays, respectively. LDE225 treatment also increased sensitivity of ALDH-positive cells to paclitaxel in ovarian cancer. LDE225 decreased MM cell viability by inducing specific down-regulation of Gli1 and Ptch1, hallmarks of Hh activity. LDE225 showed antitumor efficacy in combination with bortezomib both in vitro and in vivo in multiple myeloma.

References

Pan S, et al. ACS Med Chem Lett. 2010 Mar 16;1(3):130-4.
Buonamici S, et al. Sci Transl Med. 2010 Sep 29;2(51):51ra70.
Heller E, et al. Cancer Res. 2012 Feb 15;72(4):897-907.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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