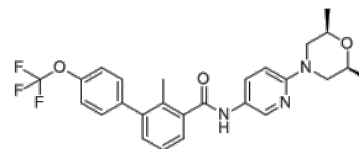


Product Name : Sonidegib
Cat. No. : PC-38709
CAS No. : 956697-53-3
Molecular Formula : C₂₆H₂₆F₃N₃O₃
Molecular Weight : 485.507
Target : Smoothened (Smo)
Solubility : 10 mM in DMSO



Biological Activity

Sonidegib (Erismodegib, LDE225, NVP-LDE225) is potent, selective, orally available Smoothened (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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