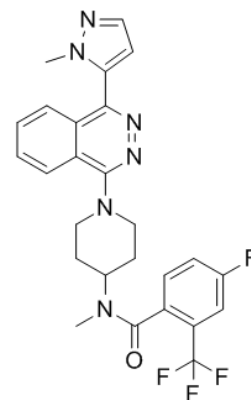


Product Name : LY2940680
Cat. No. : PC-43422
CAS No. : 1258861-20-9
Molecular Formula : C₂₆H₂₄F₄N₆O
Molecular Weight : 512.502
Target : Smoothened (Smo)
Solubility : DMSO: ≥ 5.2 mg/mL



Biological Activity

LY2940680 (Taladegib) is potent **Smoothened (SMO)** receptor antagonist, potently inhibits **Hedgehog (Hh)** signaling with IC₅₀ of 6.3 nM in Gli-luc reporter assays.

LY2940680 (Taladegib) inhibits medulloblastoma cell proliferation isolated from Ptch+/-p53-/- mice with IC₅₀ of 43.5 nM.

LY2940680 (Taladegib) demonstrates anti-tumor activity in vivo with advanced basal cell carcinoma (BCC) and other malignancies.

References

Wang C, et al. *Nature*. 2013 May 16;497(7449):338-43.

Laressgues E, et al. *Pharmacol Res Perspect*. 2016 Mar 4;4(2):e00214.

Jin G, et al. *Arch Pharm Res*. 2017 Dec;40(12):1390-1393.

Lu X, et al. *Eur J Med Chem*. 2017 Sep 29;138:384-395.

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

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