

LEQ506

Catalog No: tcsc0011636



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

1204975-42-7

Formula:

$C_{25}H_{32}N_6O$

Pathway:

Stem Cell/Wnt

Target:

Smo

Purity / Grade:

>98%

Solubility:

DMSO : \geq 100 mg/mL (231.18 mM)

Alternative Names:

NVP-LEQ506

Observed Molecular Weight:

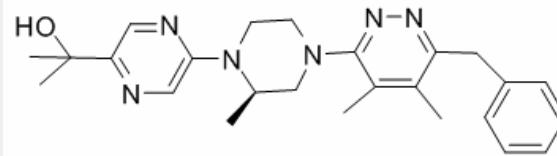
432.56

Product Description

LEQ506 is a second-generation inhibitor of **smoothened (Smo)** with **IC₅₀**s of 2 and 4 nM in human and mouse, respectively.

IC50 & Target: IC50: 2 nM (human smo), 4 nM (mouse smo)^[1]

In Vitro: LEQ506 is a second-generation inhibitor of smoothened (Smo) with IC₅₀s of 2 and 4 nM in human and mouse, respectively. LEQ506 inhibits Hedgehog (Hh) signaling in a human cell line (HEPM) as measured by the amount of Gli mRNA with an IC₅₀ ~6-fold lower than that of Compound 2^[1]. LEQ506 is an efficacious compound by consistently decreasing Gli1 mRNA by about 70 to 80%. LEQ506 shows a tendency to preferentially inhibit Gli1 rather than Ptch1 mRNA. LEQ506 (at 1%) is also an efficacious compound with an inhibition of 80 to 90% for Gli1 and of 60 to 70% for Ptch1^[2].



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