

HPI-1, Hedgehog pathway inhibitor

Catalog	Unit
TBI4522-5MG	5 mg
TBI4522-25MG	25 mg

Product Details

Formal Name: 2-Methoxyethyl 1,4,5,6,7,8-hexahydro-4-(3-hydroxyphenyl)-7-(2-methoxyphenyl)-2-methyl-5-oxo-3-quinolinecarboxylate

Molecular Formula: C₂₇H₂₉NO₆·xH₂O

Formula Weight: 463.52 (anhydrous)

CAS Number: 599150-20-6

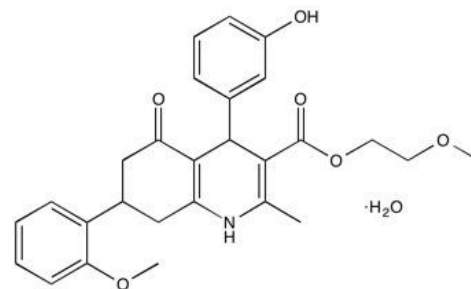
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

Hedgehog pathway inhibitor

Functions

HPI-1 is a Hedgehog pathway inhibitor acting downstream of Smo and independently of PKA, PI3K and MAPK. It can suppress Hh pathway activation induced by loss of Su(fu) or Gli overexpression. Inhibits both endogenous and exogenous Gli1/Gli2 activity. IC₅₀'s range from 0.2 to 6 μM for various cell-based assays.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

For research use only.