

Catalog	Unit
TBI2182-5MG	5 mg
TBI2182-25MG	25 mg

Product Details

Formal Name: 2-Chloro-N-(4-chloro-3-(pyridine-2-yl)phenyl)-4-(methylsulfonyl)benzamide

Alternate Names: GDC-0449

Molecular Formula: C₁₉H₁₄Cl₂N₂O₃S

Formula Weight: 421.30

CAS Number: 879085-55-9

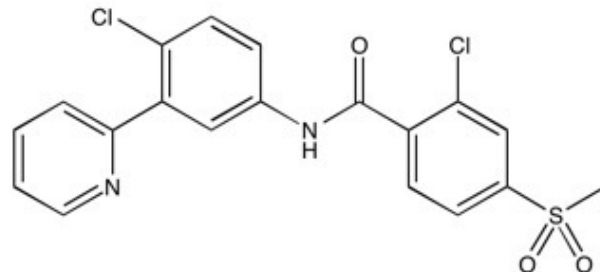
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 200 mg/ml) or in Ethanol (up to 10 mg/ml with warming)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Hedgehog signaling pathway inhibitor

Functions

A potent and selective Hedgehog (Hh) pathway signaling inhibitor antagonizing SMO with a Ki of 1.3 nM). Alters intracellular Ca²⁺ homeostasis and inhibits growth of cisplatin-resistant lung cancer cells. Inhibits two ABC transporters, ABCG2/BCRP and ABCB1/Pgp, IC₅₀s=1.4 and 3.0 μM respectively. Clinically useful for the treatment of basal cell carcinoma. Inhibits proliferation and induces apoptosis in colon cancer cell lines.

Application Procedures

First dissolved in DMSO (up to 200 mg/ml) or in Ethanol (up to 10 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

For research use only.