

BI-6015, HNF4a inhibitor

Catalog	Unit
TBI1402-5MG	5 mg
TBI1402-25MG	25 mg

Product Details

Formal Name: 2-Methyl-1-[(2-methyl-5-nitrophenyl)sulfonyl]-1H-benzimidazole

Molecular Formula: C₁₅H₁₃N₃O₄S

Formula Weight: 331.35

CAS Number: 93987-29-2

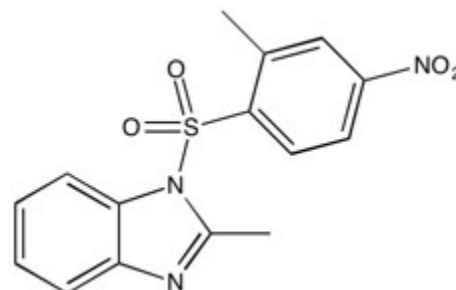
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 10 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

HNF4a inhibitor

Functions

Hepatocyte nuclear factor 4 α (HNF4 α) antagonist. HNF4 α is a central regulator of gene expression in cell types that play a central role in metabolic homeostasis. BI-6015 binds to HNF4 α with high affinity and modulates the expression of known target genes. It was shown to be selectively cytotoxic to cancer cell lines in vitro and in vivo however in vivo potency was limited by suboptimal pharmacokinetics. Represents the first small molecule tool for pharmacologic modulation of HNF4 α activity. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 2 months.

For research use only.