
Catalog	Unit
TBI1420-5MG	5 mg
TBI1420-25MG	25 mg

Product Details

Formal Name: 5-(3-Chlorophenyl)-N-[4-(4-morpholinylmethyl)phenyl]-2-furancarboxamide

Molecular Formula: C₂₂H₂₁ClN₂O₃

Formula Weight: 396.88

CAS Number: 638156-11-3

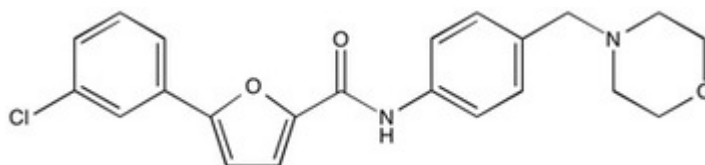
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 8 mg/ml with warming).

Storage: RT

Stability: ≥ 1 year.



Applications

PKD inhibitor

Functions

Potent and selective ATP-competitive inhibitor of protein kinase D (PKD). IC₅₀=3.2, 0.6 and 0.7 μM for PKD1, 2 and 3 respectively. Inhibits phorbol ester-induced PKD activation in LNCaP prostate cancer cells. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in Ethanol (up to 8 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.