

Catalog	Unit
TBI1424-5MG	5 mg
TBI1424-25MG	25 mg

Product Details

Formal Name: 1-[(2-Phenylethyl)amino]-3H-naphtho[1,2,3-de]quinolone-2,7-dione

Molecular Formula: C₂₄H₁₈N₂O₂

Formula Weight: 366.42

CAS Number: 376382-11-5

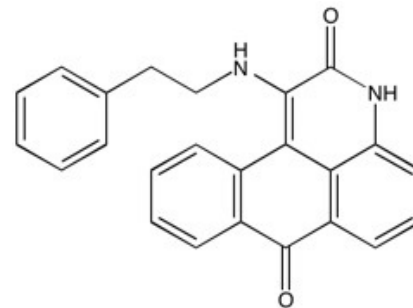
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 35 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

p90 RSK inhibitor; Increases insulin expression

Functions

Inhibits p90 ribosomal S6 kinase (RSK), IC₅₀ = 1.2, 1.5 and 2.4 μM for RSK3, RSK1 and RSK2 respectively. Induces a beta-cell-like state in pancreatic alpha-cells and induces insulin expression. Increases the endocrine cell content and function of donor human pancreatic islets in culture. Blocks muscarinic acetylcholine receptor-stimulated RSK activation and subsequent proliferation of SNU-407 colon cancer cells.

Application Procedures

First dissolved in DMSO (up to 35 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.