

Dynasore, Dynamin inhibitor

Catalog	Unit
TBI1427-5MG	5 mg
TBI1427-25MG	25 mg

Product Details

Formal Name: 3-Hydroxynaphthalene-2-carboxylic acid (3,4-dihydroxybenzylidene)hydrazide

Molecular Formula: C₁₈H₁₄N₂O₄

Formula Weight: 322.32

CAS Number: 304448-55-3

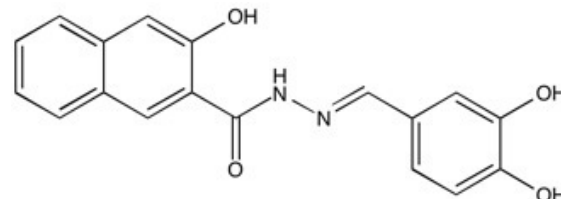
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 30 mg/ml), or in Ethanol (up to 1 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

Dynamin inhibitor

Functions

Dynasore is a noncompetitive inhibitor of dynamin GTPase activity and blocks dynamin-dependent endocytosis in cells, including neurons. It inhibits the GTPase activity of dynamin1, dynamin2, and Drp1 (mitochondrial dynamin). It is cell permeable, fast acting (seconds) and reversible. An extremely useful tool for studying endocytosis and other cellular events which are dependent on dynamin.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml), or in Ethanol (up to 1 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 1 month.

For research use only.