

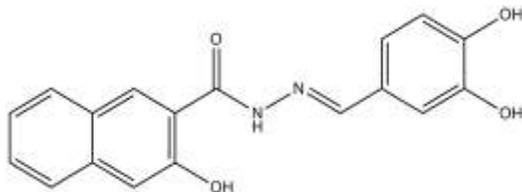
Dynasore

ALTERNATE NAME: 3-Hydroxy-naphthalene-2-carboxylic acid (3,4-dihydroxy-benzylidene)-hydrazide

CATALOG #: 1900-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₈H₁₄N₂O₄ ·H₂O

MOLECULAR WEIGHT: 322.31 .18.0

CAS NUMBER: 304448-55-3

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (10 mg/ml) or EtOH (1 mg/ml)

PURITY: ≥98% by NMR

STORAGE: Store at -20°C

DESCRIPTION: Cell-permeable. A reversible, noncompetitive inhibitor of dynamin that interferes in vitro with the GTPase activity of dynamin1, dynamin2, and Drp1, the mitochondrial dynamin, but not of other small GTPases. Dynasore acts as a potent inhibitor of endocytic pathways known to depend on dynamin by rapidly blocking coated vesicle formation within seconds of dynasore addition.

REFERENCE: Macia, E., *et al.* (2006). *Dev. Cell* **10**, 839-850.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Bafilomycin A1 (Cat. No. 1829-50, 250)