

Product: CID-1067700

RELATED PRODUCTS:

ML141 (Cat. No. 2267-5, 25)

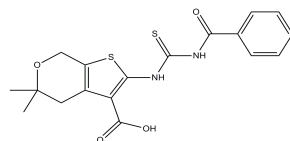
Mdivi-1 (Cat. No. 2441-5,25)

ALTERNATE NAME: 2-(Benzoylcarbamothioylamino)-5,5-dimethyl-4,7-dihydrothieno[2,3-c]pyran-3-carboxylic acid, 2-[[[(Benzoylamino)thioxomethyl]amino]-4,7-dihydro-5,5-dimethyl-5H-thieno[2,3-c]pyran-3-carboxylic acid, CID-1067700, CID1067700, SID57578339; ML282

CATALOG #: 2688-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₈H₁₈N₂O₄S₂

MOLECULAR WEIGHT: 390.48

CAS NUMBER: 314042-01-8

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (~ 10 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: CID-1067700 is a potent, and competitive, Ras-related GTPase inhibitor. It binds the nucleotide binding pocket of Rab7 with a K_i value of 13 nM, preventing BODIPY-linked GTP and GDP binding with EC₅₀ values of 11.2 and 21 nM, respectively.

REFERENCES: Agola, J.O., *et al.* (2012). *ACS Chem. Biol.* **7**, 1095-1108.

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.