Product Name: ML141
CAS No.: 71203-35-5
Cat. No.: HY-12755
MWt: 407.49
Formula: C22H21N3O3S
Purity: >98%
Solubility: DMSO

Mechanisms: Pathways: Cell Cycle/DNA Damage; Target: small GTPase

Biological Activity:
ML141 (CID-2950007) is a potent, selective and reversible non-competitive inhibitor of Cdc42 GTPase (IC50=200 nM) with low micromolar potency and selectivity against other members of the Rho family of GTPases (Rac1, Rab2, Rab7).

IC50 value: 200 nM [1]
Target: Cdc42 inhibitor

in vitro: In the primary HTS bead-based assay using 1 mM EDTA and 100 nM BODIPY-FL-GTP, potency for CID2950007 was IC50 = 2.6 and 5.4 μM for Cdc42 wild type and activated mutant, respectively [1]. ML141 exposure also enhanced the ability of TMX to suppress BLBC cell growth, through both induction of cell death and suppression of cell division [2].

in vivo: Treatment with ML141 + TMX caused a suppression of further tumour growth in vivo [2]. Parallel suppression of the conserved brain CDC42 activity by intracerebroventricular ML141 injection caused acute anxiety in mice [3]. using a pilocarpine-in...

References:

Caution: Not fully tested. For research purposes only
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