

Product Data Sheet

Product Name: CID44216842

Cat. No.: GC39810

Chemical Properties

Cas. No. 1222513-26-9

SMILES O=S(C1=CC=C(N2N=C(C3=CC=CC(OC)=C3)CC2C4=CC=C(Br)C=C4)C=C1)(N)=O

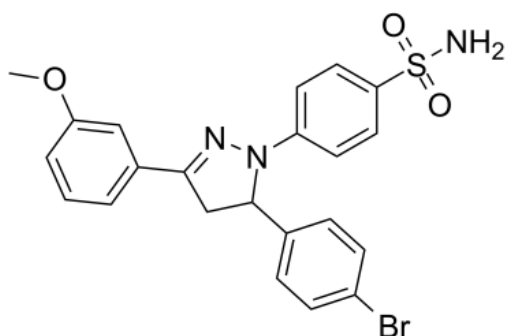
Formula C22H20BrN3O3S M.Wt 486.38

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

CID44216842 (Cdc42-IN-1) is a potent Cdc42-selective guanine nucleotide binding lead inhibitor. The EC50s for Cdc42 WT and Cdc42Q61L mutant are 1.0 and 1.2 µM in GTP binding assay, respectively. The EC50s for Cdc42 WT and Cdc42Q61L mutant are 0.3 and 0.5 µM in GDP binding assay, respectively. Use as a molecular probe[1].

[1]. Lin Hong, et al. Characterization of a Cdc42 Protein Inhibitor and Its Use as a Molecular Probe. J Biol Chem. 2013 Mar 22;288(12):8531-43.

Caution: Product has not been fully validated for medical applications. For research use only.

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