

Product Data Sheet

Product Name: CK 869
Cat. No.: GC15076

Chemical Properties

Cas. No. 388592-44-7

Chemical Name 2-(3-bromophenyl)-3-(2,4-dimethoxyphenyl)thiazolidin-4-one

SMILES COC1=CC(OC)=C(N2C(CSC2C3=CC(Br)=CC=C3)=O)C=C1

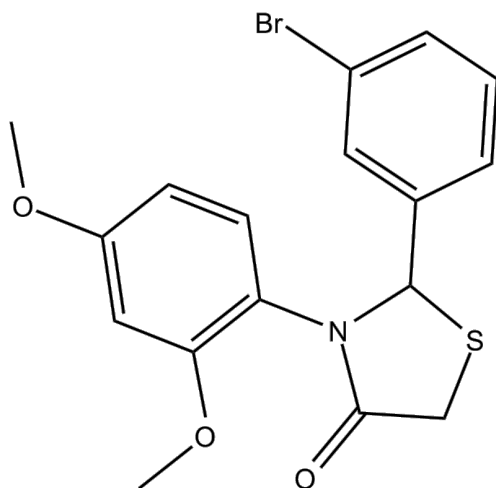
Formula $C_{17}H_{16}BrNO_3S$ M.Wt 394.28

Solubility DMF: 1.5 mg/ml, DMSO: 2.5 mg/ml, DMSO: PBS (pH 7.2) (1:20): 0.05 mg/ml
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

CK-869 is an Actin-Related Protein 2/3 (ARP2/3) complex inhibitor, with an IC₅₀ of 7 μM.

CK-869 is an Actin-Related Protein 2/3 (ARP2/3) complex inhibitor, with an IC₅₀ of 7 μM[1]. CK-869

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

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significantly inhibits MT polymerization even at a concentration of 25 μ M[2].

References:

- [1]. Hetrick B, et al. Small molecules CK-666 and CK-869 inhibit actin-related protein 2/3 complex by blocking an activating conformational change. Chem Biol. 2013 May 23;20(5):701-12.
- [2]. Yamagishi Y, et al. Use of CK-548 and CK-869 as Arp2/3 complex inhibitors directly suppresses microtubule assembly both in vitro and in vivo. Biochem Biophys Res Commun. 2018 Feb 12;496(3):834-839.

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