

Product Data Sheet

Product Name: TAO Kinase inhibitor 1

Cat. No.: GC38057

Chemical Properties

Cas. No. 850467-66-2

SMILES O=C(CNC(C1=CC=C(C2=CC=CC=C2)C=C1)=O)NC(CCC3)C4=C3C=CC=C4

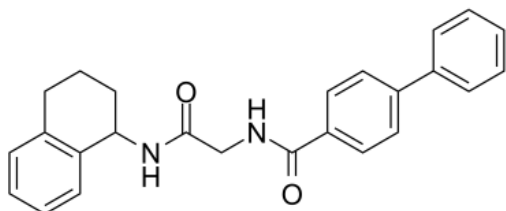
Formula $C_{25}H_{24}N_2O_2$ M.Wt 384.47

Solubility DMSO: 62.5 mg/mL (162.56 mM); Storage Store at -20°C
Water: < 0.1 mg/mL (insoluble)

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

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

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TAO Kinase inhibitor 1 (compound 43) is a selective, ATP-competitive thousand-and-one amino acid kinases (TAOK) inhibitor with IC₅₀s of 11 to 15 nM for TAOK1 and 2, respectively. TAO Kinase inhibitor 1 delays mitosis and induces mitotic cell death[1].

TAO Kinase inhibitor 1 delays mitosis and induces mitotic cell death in centrosome amplified breast cancer cells[1].

[1]. Koo CY, et al. Targeting TAO Kinases Using a New Inhibitor Compound Delays Mitosis and Induces Mitotic Cell Death in Centrosome Amplified Breast Cancer Cells. *Mol Cancer Ther.* 2017 Nov;16(11):2410-2421.

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