

Product Data Sheet

Product Name: ZT-1a
Cat. No.: GC39826

Chemical Properties

Cas. No. 212135-62-1

SMILES O=C(NC1=CC(Cl)=C(C(C2=CC=C(Cl)C=C2)C#N)C=C1C)C3=CC(Cl)=CC=C3O

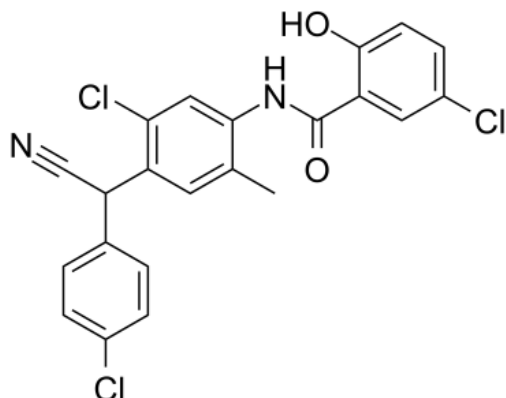
Formula C22H15Cl3N2O2 M.Wt 445.73

Solubility DMSO: 125 mg/mL (280.44 mM) 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

ZT-1a is a potent, non-ATP-competitive and selective SPAK inhibitor. ZT-1a inhibits SPAK activity with IC₅₀s of 44.3, 35.0, 46.7 μM at ATP concentrations of 0.01, 0.1 and 1 mM, respectively[1].

[1]. Jinwei Zhang, et al. Modulation of Brain cation-Cl⁻ Cotransport via the SPAK Kinase Inhibitor ZT-1a. Nat Commun. 2020 Jan 7;11(1):78.

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

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