

Product Data Sheet

Product Name: CAY10443

Cat. No.: GC43154

Chemical Properties

Cas. No. 582314-48-5

SMILES O=C(NCc1ccc(Cl)c(Cl)c1)O[C@H]1CCc2ccccc12

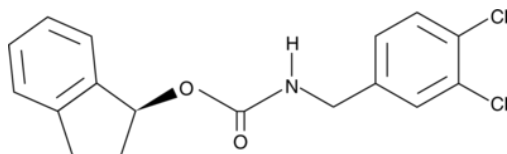
Formula C₁₇H₁₅Cl₂NO₂ M.Wt 336.2

Solubility DMF: 30 mg/ml, DMSO: 25 mg/ml, DMSO:PBS (pH 7.2)(1:2): .25 mg/ml, Ethanol: 5 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

Mitochondrial release of cytochrome c triggers apoptosis via the assembly of a multimeric complex including caspase-9, Apaf-1, and other components, sometimes called the apoptosome. Library screens have identified small molecules that activate the apoptosome by binding to one or more of its components. CAY10443 is one such molecule. In a cell free, multi-component assay, it activated caspase-3 with an EC₅₀ of 5 μM. These apoptotic activators represent therapeutic lead compounds for the development of antitumor drugs.

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

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