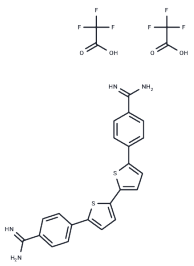
Data Sheet (Cat.No.T68359L)

TargetMol

DB1255 2TFA

Chemical Properties



CAS No. :

Formula: C26H20F6N4O4S2

Molecular Weight: 630.58

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	DB1255 2TFA is an ERG/DNA binding inhibitor with an unusual and potent monomer binding pattern at the minor groove site for the study of genetic disorders.
Targets(IC50)	DNA
In vitro	DNase I footprinting, biosensor surface plasmon resonance, and circular dichroism experiments show that DB1255 2TFA has an unusual and strong monomer binding mode in minor groove sites that contain a single GC base pair flanked by AT base pairs.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5858 mL	7.9292 mL	15.8584 mL
5 mM	0.3172 mL	1.5858 mL	3.1717 mL
10 mM	0.1586 mL	0.7929 mL	1.5858 mL
50 mM	0.0317 mL	0.1586 mL	0.3172 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Munde M, et al. The unusual monomer recognition of guanine-containing mixed sequence DNA by a dithiophene heterocyclic diamidine. Biochemistry. 2014 Feb 25;53(7):1218-27.

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