
Product Data Sheet

Product Name: DC_C66
 Cat. No.: GC35816

Chemical Properties

Cas. No. 108181-00-6

SMILES O=C(OCC)C1=[N+]2C(C(C=CC=C3)=C3CC2)=CC4=C1C(C=CC=C5)=C5C6=C4C=CC=C6

Formula $C_{28}H_{22}NO_2^+$ M.Wt 404.48

Solubility Soluble in DMSO 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

DC_C66 is a cell-permeable, selective coactivator associated arginine methyltransferase 1 (CARM1) inhibitor with an IC₅₀ of 1.8 μM. DC_C66 has a good selectivity for CARM1 against PRMT1 (IC₅₀=21 μM), PRMT6 (IC₅₀= 47μM), and PRMT5[1]. IC₅₀: 1.8 μM (CARM1)[1]

DC_C66 (6.25-100 μM; 24-72 hours) exhibits antiproliferation activity in several CARM1-associated cancer cell lines[1]. Cell Proliferation Assay[1] Cell Line: HELA, K562, MCF7 cells

[1]. Ye F, et al. Identification of Novel Inhibitors against Coactivator Associated Arginine Methyltransferase 1 Based on Virtual Screening and Biological Assays. Biomed Res Int. 2016;2016:7086390.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
