Product Data Sheet

Product Name: Cannabidiol dimethyl ether
Cat. No.: GC13816

Chemical Properties

Cas. No.	1242-67-7		
Chemical Name	1,3-dimethoxy-2-[(1R,6R)-3-methyl-6-(1-methylethenyl)-2-cyclohexen-1-yl]-5-pentyl-benzene		
SMILES	CCCCCc1cc(OC)c(c(OC)c1)[C@@H]1C=C(C)CCC1C(=C)C		
Formula	$C_{23}H_{34}O_2$	M.Wt	342.5
Solubility	≤14mg/ml in ethanol;1mg/ml in DMSO;2mg/ml in dimethyl formamide	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	Cannabidiol dimethyl ether		

Protocol

Cell experiment [1]:

Cell lines

Preparation Method

Reaction Conditions

Applications

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

Animal experiment [2]:

Animal models

Preparation Method

Dosage form

Applications

References:

Background

Pomalidomide - Peg2-azide is a synthetic E3 ligand -linker conjugate containing Pomalidomide based cereblon ligand and 2-unit PEG linker. PROTAC can be synthesized to target protein degradation[1].

The IC50 value of protac compound 21[(BRD4 BD1, IC50 = 41.8 nM) composed of Pomalidomide - Peg2-azide] was 0.81 μM in inhibiting THP-1 cell line growth. At the concentration of 1 μM, compound 21 can effectively degrade BRD4 protein and inhibit c-Myc[1].

References:
[1]. Zhang F, Wu Z, et,al. Discovery of a new class of PROTAC BRD4 degraders based on a dihydroquinazolinone derivative and lenalidomide/pomalidomide. Bioorg Med Chem. 2020 Jan 1;28(1):115228. doi: 10.1016/j.bmc.2019.115228. Epub 2019 Nov 30. PMID: 31813613.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA