
Product Data Sheet

Product Name: TD-428
 Cat. No.: GC34319

Chemical Properties

Cas. No. 2334525-50-5

SMILES O=C(NC1=CC(OCCOCCOCCNC2=C3C(N=NN(C(CC4)C(NC4=O)=O)C3=O)=CC=C2)=CC=C1)C[C@H]5C6=NN=C(C)N6C7=C(C(C)=C

Formula C₄₃H₄₃ClN₁₀O₇S

M.Wt

879.38

Solubility Soluble in DMSO

Storage

Store at -20°C

General 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 tips months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.
 Condition

Structure

Background

TD-428 is a highly specific BRD4 degrader with a DC50% of 20.1 nM [1].

TD-428, the BRD4 degrader with TD-106, is highly specific for BET proteins. TD-428 (0.01, 0.1, 1, 10, 100, 1000, and 10000 nM; 72 hours) inhibits the proliferation of 22RV1 cells with a CC50 of 20.1 nM [1]. | Cell Cytotoxicity Assay [1] | Cell Line: 22RV1 cells | Concentration: 0.01, 0.1, 1, 10, 100, 1000, and 10000 nM | Incubation Time: 72 hours | Result: Inhibited cell proliferation with a CC50 of 20.1 nM. | Western Blot Analysis [1] | Cell Line: U266 cells | Concentration: 1 nM, 10 nM, 100 nM, 1000 nM, and 10 μM | Incubation Time: 12 hours | Result: Induced the degradation of BET proteins.

[1]. Kim SA, et al. A novel cereblon modulator for targeted protein degradation. Eur J Med Chem. 2019 Mar 15;166:65-74.

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