

Product Data Sheet

Product Name: WM-3835

Cat. No.: GC62104

Chemical Properties

Cas. No. 2229025-70-9

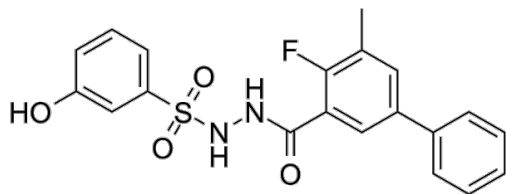
Formula $C_{20}H_{17}FN_2O_4S$ M.Wt 400.42

Solubility DMSO : 250 mg/mL (624.34 mM; Storage 4°C, protect from light
Need ultrasonic)

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

WM-3835 is a potent and high-specific HBO1 (KAT7 or MYST2) inhibitor and binds directly to the acetyl-CoA binding site of HBO1 33. WM-3835 activates apoptosis while inhibits osteosarcoma (OS) cell proliferation, migration and invasion. WM-3835 has antitumor activity and potently inhibits pOS-1

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

Product Data Sheet

xenograft growth in mice[1].

WM-3835 (1-25 μ M; 24-96 hours) inhibits pOS-1 cell viability in a concentration-dependent manner[1]. WM-3835 (5 μ M; 72 h) activates cell apoptosis and significantly increases TUNEL-positive nuclei in pOS-1 cells[1]. WM-3835 (5 μ M; 24 hours) downregulates MYLK-HOXA9 mRNA expression in pOS-1 cells[1]. WM-3835 (1-25 μ M) suppresses H4K12ac-H3K14ac in a dose-dependent manner. WM-3835 does not alter the expressions of HBO1 protein and total H3, H4 histones[1]. WM-3835 (5 μ M) fails to induce apoptosis and reduction of viability in HBO1-KO pOS-1 cells, koHBO1-1 and koHBO1-2, HBO1-low human osteoblasts[1].

WM-3835 (10 mg/kg/day; ip; for 21 days) potently inhibits pOS-1 xenograft growth in SCID mice[1].

[1]. Yan-Yang Gao, et al. The histone acetyltransferase HBO1 functions as a novel oncogenic gene in osteosarcoma. *Theranostics*. 2021 Mar 4;11(10):4599-4615.

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