

Product Data Sheet

Product Name: MX69
Cat. No.: GC19257

Chemical Properties

Cas. No. 1005264-47-0

SMILES O=C(O)C1=CC=C(C2C(CC=C3)C3C(C=C(S(=O)(NC4=CC(C)=C(C)C=C4)=O)C=C5)=C5N2)C=C1

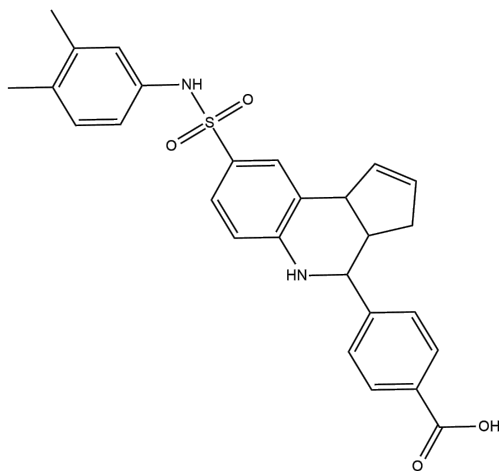
Formula $C_{27}H_{26}N_2O_4S$ M.Wt 474.57

Solubility DMSO : ≥ 30 mg/mL (63.22 mM) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

MX69 is an inhibitor of MDM2/XIAP, used for cancer treatment.

MX69 blocks the MDM2 protein-XIAP RNA interaction, leading to MDM2 degradation. MX69 shows minimal inhibitory effect on normal human hematopoiesis in vitro and is very well tolerated in animal models. MX69-induced MDM2 downregulation results not only in inhibition of XIAP expression, but also in activation of p53, which contributes to cancer cell apoptosis in vitro[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

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MX69-induced MDM2 downregulation results in activation of p53 which contributes to inhibition of cancer cell proliferation in vivo[1].

References:

[1]. Gu L, et al. Discovery of Dual Inhibitors of MDM2 and XIAP for Cancer Treatment. Cancer Cell. 2016 Oct 10;30(4):623-636

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