

Product Data Sheet

Product Name: Methuosis inducer 1

Cat. No.: GC65154

Chemical Properties

Cas. No. 2240205-30-3

Formula $C_{27}H_{20}F_3N_5O$ M.Wt 487.48

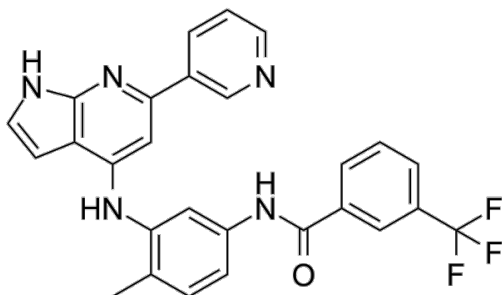
Solubility DMSO : 25 mg/mL (51.28 mM);
ultrasonic and warming and adjust
pH to 3 with HCl and heat to 60°C

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

Methuosis inducer 1 is a potent methuosis inducer[1]. Anticancer activity[1].

Methuosis inducer 1 (Compound 13) shows a broad spectrum of cytotoxicity against a panel of human cancer cell lines with IC₅₀ values of 0.326±0.026 μM, 1.370±0.061 μM, 1.662±0.128 μM, 1.892±0.092 μM, 1.571±0.066 μM, 2.268±0.100 μM, 2.611±0.739 μM, 1.008±0.042 μM, 1.566±0.015 μM, and 1.197±0.344 μM for A375, SK-MEL-28, SK-MEL-30, A549, MDA-MB-231, MDA-MB-435S,

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

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MCF-7, HCT116, BGC823, HepG2 cells, respectively[1].

[1]. Huang W, et al. Discovery and Identification of Small Molecules as Methuosis Inducers with in Vivo Antitumor Activities. J Med Chem. 2018 Jun 28;61(12):5424-5434.

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