

Product Data Sheet

Product Name: RIPGBM

Cat. No.: GC64995

Chemical Properties

Cas. No. 355406-76-7

Formula C₂₆H₂₁FN₂O₃

M.Wt 428.45

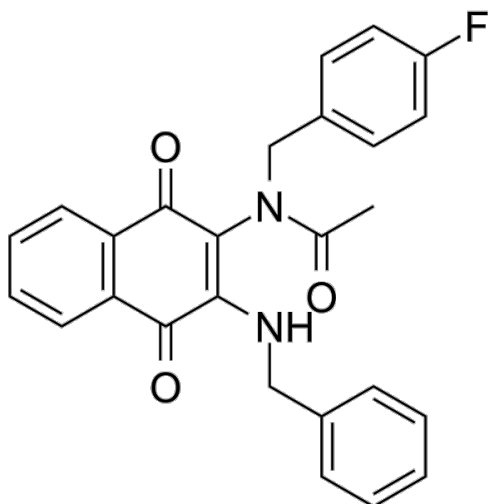
Solubility DMSO : 33.33 mg/mL (77.79 mM;
Need ultrasonic)

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

RIPGBM is a selective inducer of apoptosis in glioblastoma multiforme (GBM) cancer stem cells (CSCs) with an EC₅₀ of ≤500 nM[1].

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

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RIPGBM induces caspase 1-dependent apoptosis by binding to receptor-interacting protein kinase 2 (RIPK2) and acting as a molecular switch, which reduces the formation of a prosurvival RIPK2/ TAK1 complex and increases the formation of a proapoptotic RIPK2/caspase 1 complex[1].

[1]. Lucki NC, et al. A cell type-selective apoptosis-inducing small molecule for the treatment of brain cancer. Proc Natl Acad Sci U S A. 2019 Mar 26;116(13):6435-6440.

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