

Product Data Sheet

Product Name: BI1071
Cat. No.: GC81690

Chemical Properties

Cas. No.

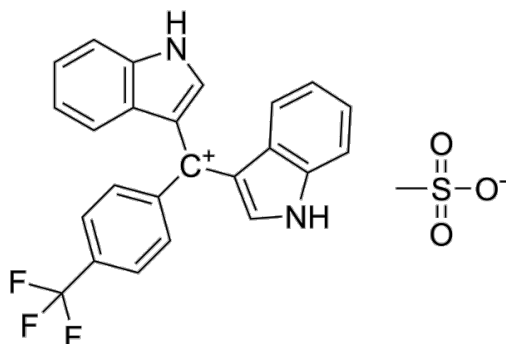
Formula $C_{25}H_{19}F_3N_2O_3S$ M.Wt 484.49

Solubility DMSO: 100 mg/mL (206.40 mM; Need ultrasonic) Storage Store at 4°C, sealed storage, away from moisture and light

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

BI1071 is an orally active Nur77-Bcl-2 apoptotic pathway modulator. BI1071 can bind to Nur77-LBD protein with a K_d of 0.17 μ M. BI1071 can activate Nur77 signaling and induce apoptosis by translocating to mitochondria where it interacts with Bcl-2. BI1071 can inhibit tumor growth in SW620 xenograft mice model. BI1071 can be used for research of colon cancer [1].

References:

[1]. Chen X, et al. BI1071, a Novel Nur77 Modulator, Induces Apoptosis of Cancer Cells by Activating

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

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the Nur77-Bcl-2 Apoptotic Pathway. Mol Cancer Ther. 2019 May;18(5):886-899.

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