Product Data Sheet

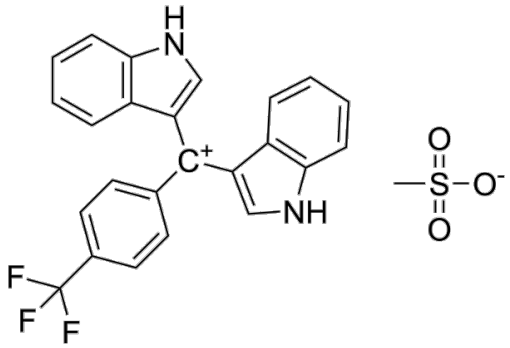
Product Name: BI1071
Cat. No.: GC81690

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 μM. 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

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