Product Data Sheet

Product Name: BAY-390
Cat. No.: GC68735

Chemical Properties

Cas. No.	2741956-55-6		
Formula	$C_{13}H_{15}F_4NO$	M.Wt	277.26
Solubility	DMSO : 100 mg/mL (360.67 mM; Need ultrasonic)	Storage	4°C, away from moisture and light
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	BAY-390		

Background

IC50: 16 nM (hTRPA1 FLIPR), 82 nM (hTRPA1 Eps), 63 nM (rTRPA1 FLIPR), 35 nM (rDRG Eps), 73 nM (mTRPA1), 68 nM (gpTRPA1), 81 nM (dogTRPA1)m, 19 nM (monkeyTRPA1)[1]

BAY-390 is a selective, across species active and brain penetrating **TRPA1** inhibitor. BAY-390 inhibits hTRPA1 FLIPR, hTRPA1 Eps, rTRPA1 FLIPR and rDRG Eps with **IC_{50}**s of 16, 82, 63 and 35 nM, respectively. BAY-390 can be used for the research of inflammation[1].

BAY-390 inhibits hTRPA1 FLIPR, hTRPA1 Eps, rTRPA1 FLIPR and rDRG Eps with IC_{50}s of 16, 82, 63 and 35 nM, respectively[1].
BAY-390 inhibits mTRPA1, gpTRPA1, dogTRPA1 and monkeyTRPA1 with IC_{50}s of 73, 68, 81 and 19 nM, respectively[1].

BAY-390 (30 and 90 mg/kg; p.o.; BID for 10 days) effects the neuropathic pain in vivo[1].
BAY-390 reduces visceral pain in rat cyclophosphamide induced cystitis models[1].

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

BAY-390 shows efficacy in inflammatory pain and neurogenic inflammation models[1].

Animal Model:	Nrodent animals with neuropathic pain[1]
Dosage:	30 and 90 mg/kg
Administration:	Oral gavage; 30 and 90 mg/kg; twice daily for 10 days
Result:	Effectively reduced the neuropathic pain in rodent neuropathic pain model.

[1].

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA