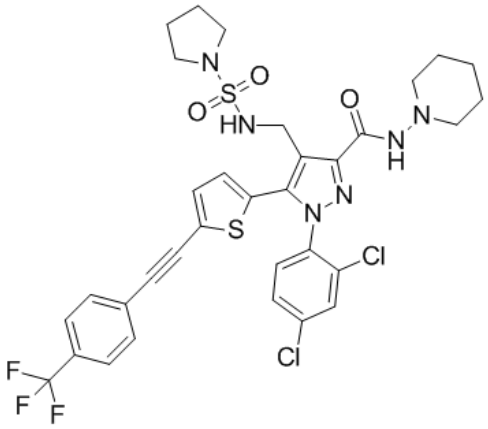
Product Data Sheet

Product Name: CB1-IN-1
Cat. No.: GC30935

Chemical Properties

Cas. No.	1429239-98-4		
SMILES	ClC1=CC(Cl)=CC=C1N2C(C3=CC=C(C#CC4=CC=C(C(F)(F)F)C=C4)S3)=C(CNS(=O)(N5CCCC5)=O)C(C(NN6CCCCC6)=O)=N2		
Formula	$C_{33}H_{31}Cl_2F_3N_6O_3S_2$	M.Wt	751.67
Solubility	DMSO: 125 mg/mL (166.30 mM)	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

CB1-IN-1 is a peripherally restricted CB1R antagonist, with Ki of 0.3 nM and 21 nM for CB1R (EC50 = 3 nM) and CB2R, respectively.IC50 value: 0.3 nM (Ki, CB1R) 21 nM (Ki, CB2R)Target: CB1Rin vivo: CB1-IN-1 is a novel peripherally restricted cannabinoid 1 receptor antagonist with significant weight-loss efficacy in diet-induced obese mice. CB1-IN-1 has great potential to ameliorate this related metabolic syndrome.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
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[1]. Chang CP, et al. Discovery of 1-(2,4-dichlorophenyl)-N-(piperidin-1-yl)-4-((pyrrolidine-1-sulfonamido)methyl)-5-(5-((4-(trifluoromethyl)phenyl)ethynyl)thiophene-2-yl)-1H-pyrazole-3-carboxamide as a novel peripherally restricted cannabinoid-1 receptor anta

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