Product Data Sheet

Product Name: SER-601
Cat. No.: GC18867

Chemical Properties

Cas. No.	1048038-90-9		
Chemical Name	1,4-dihydro-6-(1-methylethyl)-4-oxo-1-pentyl-N-tricyclo[3.3.1.13,7]dec-1-yl-3-quinolinecarboxamide		
SMILES	CC(C)C1=CC2=C(N(CCCCC)C=C(C(NC3(C[C@H]4C5)C[C@@H](C4)C[C@@H]5C3)=O)C2=O)C=C1		
Formula	$C_{28}H_{38}N_2O_2$	M.Wt	434.6
Solubility	DMF: 5 mg/ml,Ethanol: 3 mg/ml	Storage	Store at -20°C
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	SER-601		

Background

SER-601 is a potent and selective peripheral cannabinoid (CB2) receptor agonist with 190-fold selectivity for CB2 over the central CB1 receptor (Kis = 6.3 and 1,220 nM, respectively). At 3 mg/kg, SER-601 has analgesic effects in a formalin-induced nocifensive study in mice without cannabis-like behavioral effects due to its low affinity for the CB1 receptor. SER-601 also has antidiabetic effects. Two to four week exposure to SER-601 ameliorates insulin resistance in vivo and increases insulin secretion and accumulation in pancreatic islets isolated from high-fat diet/streptozotocin (HFD/STZ)-induced diabetic mice.

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