
Product Data Sheet

Product Name: BMS 986187

Cat. No.: GC18823

Chemical Properties

Cas. No. 684238-37-7

Chemical Name 3,4,5,6,7,9-hexahydro-3,3,6,6-tetramethyl-9-[4-[(2-methylphenyl)methoxy]phenyl]-1H-xanthene-1,8(2H)-dione

SMILES CC1=C(COC2=CC=C(C3C(C(CC(C)(C)C4)=O)=C4OC(CC(C)(C)C5)=C3C5=O)C=C2)C=CC=C1Formula C₃₁H₃₄O₄

M.Wt 470.6

Solubility DMF: 1 mg/ml, DMF:PBS(pH7.2) (1:2): 0.33 mg/ml, DMSO: slightly soluble, Ethanol: slightly soluble

Store
Storage 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**

BMS 986187 is a positive allosteric modulator of δ -opioid receptors. In the presence of the endogenous δ -opioid receptor agonist leu-enkephalin, BMS 986187 has an average EC₅₀ value of 30 nM for β -arrestin recruitment, but has little to no activity in the absence of an agonist. It is 100-fold selective for δ - over μ -opioid receptors in the presence of leu-enkephalin and the endogenous μ -opioid receptor agonist endomorphin I, respectively.

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

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