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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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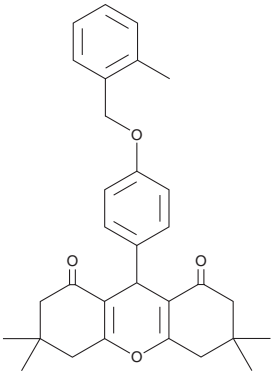
PRODUCT INFORMATION

BMS 986187

Item No. 21549



CAS Registry No.:	684238-37-7
Formal 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
MF:	$C_{31}H_{34}O_4$
FW:	470.6
Purity:	≥98%
UV/Vis.:	λ_{max}: 226, 291 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥2 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

BMS 986187 is supplied as a crystalline solid. A stock solution may be made by dissolving the BMS 986187 in the solvent of choice. BMS 986187 is soluble in the organic solvent dimethyl formamide (DMF), which should be purged with an inert gas, at a concentration of approximately 1 mg/ml. BMS 986187 is also slightly soluble in ethanol and DMSO.

BMS 986187 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, BMS 986187 should first be dissolved in DMF and then diluted with the aqueous buffer of choice. BMS 986187 has a solubility of approximately 0.33 mg/ml in a 1:2 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

BMS 986187 is a positive allosteric modulator of δ-opioid receptors.[1] In the presence of the endogenous δ-opioid receptor agonist leu-enkephalin, BMS 986187 has an average EC_{50} 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.

Reference

1. Burford, N.T., Livingston, K.E., Canals, M., *et al.* Discovery, synthesis, and molecular pharmacology of selective positive allosteric modulators of the δ-opioid receptor. *J. Med Chem.* **58(10)**, 4220-4229 (2015).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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