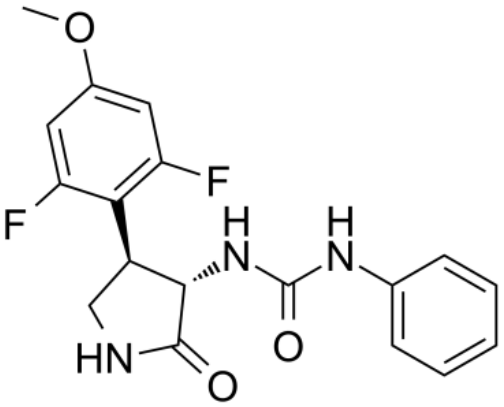
Product Data Sheet

Product Name: BMS-986235
Cat. No.: GC60649

Chemical Properties

Cas. No.	2253947-47-4		
SMILES	O=C(NC1=CC=CC=C1)N[C@@H]2C(NC[C@H]2C3=C(F)C=C(OC)C=C3F)=O		
Formula	$C_{18}H_{17}F_2N_3O_3$	M.Wt	361.34
Solubility	DMSO : 100 mg/mL (276.75 mM; Need ultrasonic)	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

BMS-986235 (LAR-1219) is a selective, orally active formyl peptide receptor 2 (FPR2) agonist, with EC50s of 0.41 nM and 3.4 nM for hFPR2 and mFPR2, respectively. BMS-986235 has potential for the prevention of heart failure[1].

BMS-986235 (LAR-1219) inhibits neutrophil chemotaxis and stimulats macrophage phagocytosis, key end points to promote resolution of inflammation[1].

Caution: Product has not been fully validated for medical applications. For research use only.
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BMS-986235 (LAR-1219) (0.3 mg/kg; p.o.; daily for 24 days) can attenuate left ventricle and global cardiac remodeling after left anterior descending (LAD) in mice[1].BMS-986235 (1 mg/kg; p.o.) treatment shows the Cmax, T1/2, AUC0-inf, and bioavailability (BA) values of 160 nmol/L, 0.68 hours,120 nmol/L•h, and 24%, respectively[1]. Animal Model: Male C57BL/6 mice[1]

[1]. Asahina Y, et al. Discovery of BMS-986235/LAR-1219: A Potent Formyl Peptide Receptor 2 (FPR2) Selective Agonist for the Prevention of Heart Failure [published online ahead of print, 2020 May 24]. J Med Chem. 2020;10.1021/acs.jmedchem.9b02101.

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