

Product Data Sheet

Product Name: BMS-929075

Cat. No.: GC70501

Chemical Properties

Cas. No. 1217338-97-0

Formula $C_{31}H_{24}F_2N_4O_3$

M.Wt 538.54

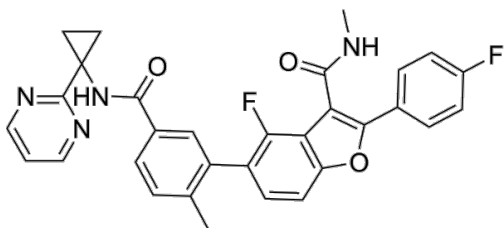
Solubility

Storage

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-929075 is a potent and orally active HCV NS5B replicase palm site allosteric inhibitor. BMS-929075 shows high oral bioavailability. BMS-929075 shows cytotoxicity.

BMS-929075 (0-60 μ M) shows cytotoxicity with CC₅₀ values of 60, >12.5, >50 μ M for Huh-7, HepG2, primary human hepatocytes, respectively^[1].

BMS-929075 (compound 37) (2 mg/kg for i.v.; 6 mg/kg for p.o.) shows good pharmacokinetic parameters with oral bioavailability of 48% in rats^[1].

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

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Pharmacokinetic Parameters of BMS-929075 in Male Sprague-Dawley rats ^[1].

species	IV		PO							
	Cl (mL/min/kg)	IV t _{1/2} (hr)	V _{ss} (L/kg)	C _{max} (μM)	T _{max} (hr)	AUC (μM h)	C ₆ liver (μM)	C ₂₄ liver (μM)	C ₂₄ liver/plasma (μM)	F% (mL/min/kg)
rat	1.7	4.7	0.7	7.5	4	54.5	15.1	1.12	1.6	48

Rats, 2 mg/kg i.v.; 6 mg/kg p.o. ^[1].

References:

[1]. Yeung KS, et al. Discovery of a Hepatitis C Virus NS5B Replicase Palm Site Allosteric Inhibitor (BMS-929075) Advanced to Phase 1 Clinical Studies. J Med Chem. 2017 May 25;60(10):4369-4385.

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