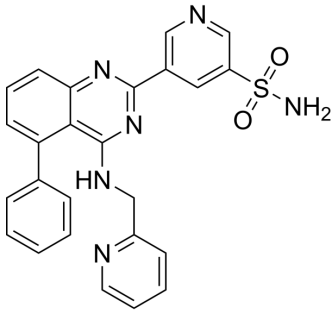
BMS-919373

Cat. No.:	HY-120644
CAS No.:	1272353-82-8
Molecular Formula:	$C_{25}H_{20}N_6O_2S$
Molecular Weight:	468.53
Target:	Others
Pathway:	Others
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (213.43 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.1343 mL	10.6717 mL	21.3434 mL
	5 mM	0.4269 mL	2.1343 mL	4.2687 mL
	10 mM	0.2134 mL	1.0672 mL	2.1343 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (5.34 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

BMS-919373 is a selective, potent I_{Kur} current blocker. BMS-919373 can be used for the research of cardiovascular diseases[1].

REFERENCES

[1]. Wisniewski SR, et al. Utilizing Native Directing Groups: Synthesis of a Selective IKur Inhibitor, BMS-919373, via a Regioselective C-H Arylation. J Org Chem. 2019 Apr 19;84(8):4704-4714.

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

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