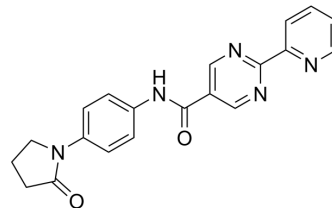


F092

Cat. No.:	HY-139171
CAS No.:	2250261-59-5
Molecular Formula:	C ₂₀ H ₁₇ N ₅ O ₂
Molecular Weight:	359.38
Target:	PGE synthase
Pathway:	Immunology/Inflammation
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (347.82 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		2.7826 mL	13.9128 mL	27.8257 mL
	5 mM		0.5565 mL	2.7826 mL	5.5651 mL
	10 mM		0.2783 mL	1.3913 mL	2.7826 mL

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

BIOLOGICAL ACTIVITY

Description

F092 is an inhibitor of hematopoietic prostaglandin D synthase (H-PGDS) with a K_D value of 0.14 nM. F092 can be used in the study of allergic and inflammatory responses^[1].

IC₅₀ & Target

KD: 0.14 nM (H-PGDS)^[1].

REFERENCES

[1]. Takaya D, et al. Characterization of crystal water molecules in a high-affinity inhibitor and hematopoietic prostaglandin D synthase complex by interaction energy studies[J]. Bioorganic & Medicinal Chemistry, 2018, 26(16): 4726-4734.

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

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