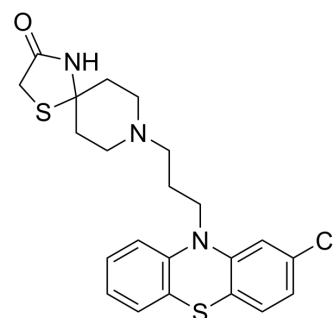


Spiclomazine

Cat. No.:	HY-154313		
CAS No.:	24527-27-3		
Molecular Formula:	C ₂₂ H ₂₄ ClN ₃ OS ₂		
Molecular Weight:	446.03		
Target:	Ras		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (280.25 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2420 mL	11.2100 mL	22.4200 mL
	5 mM	0.4484 mL	2.2420 mL	4.4840 mL
	10 mM	0.2242 mL	1.1210 mL	2.2420 mL

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

BIOLOGICAL ACTIVITY

Description

Spiclomazine (Clospirazine) is a potent mutant KRAS(G12C) inhibitor that selectively inhibits mutant KRAS-driven pancreatic cancer. Spiclomazine can eliminate KRas-GTP levels in KRAS-driven pancreatic cancer and effectively inhibit RAS-mediated signaling. Spiclomazine significantly inhibits tumor progression in mouse renal capsule xenotransplantation models^[1].

IC₅₀ & Target

KRAS(G12C)

REFERENCES

[1]. Guo X, et al. Spiclomazine displays a preferential anti-tumor activity in mutant KRas-driven pancreatic cancer. *Oncotarget*. 2018 Jan 8;9(6):6938-6951.

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

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