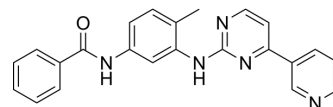


CGP 53716

Cat. No.:	HY-101837
CAS No.:	152459-94-4
Molecular Formula:	C ₂₃ H ₁₉ N ₅ O
Molecular Weight:	381.43
Target:	Others
Pathway:	Others
Storage:	<div> Powder -20°C 3 years </div> <div> 4°C 2 years </div> <div> In solvent -80°C 6 months </div> <div> -20°C 1 month </div>



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (327.71 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.6217 mL	13.1086 mL	26.2171 mL
	5 mM		0.5243 mL	2.6217 mL	5.2434 mL
	10 mM		0.2622 mL	1.3109 mL	2.6217 mL

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

BIOLOGICAL ACTIVITY

Description

CGP 53716 is a potent protein tyrosine kinase inhibitor. CGP 53716 has selective activity of platelet-derived growth factor (PDGF) receptor. CGP 53716 can be used in the study of disease induced by abnormal cell proliferation induced by PDGF receptor activation ^[1].

REFERENCES

[1]. Buchdunger E, et al. Selective inhibition of the platelet-derived growth factor signal transduction pathway by a protein-tyrosine kinase inhibitor of the 2-phenylaminopyrimidine class. Proc Natl Acad Sci U S A. 1995 Mar 28;92(7):2558-62.

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

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