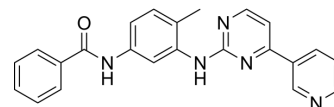


## CGP 53716

Cat. No.:	HY-101837
CAS No.:	152459-94-4
Molecular Formula:	C <sub>23</sub> H <sub>19</sub> N <sub>5</sub> O
Molecular Weight:	381.43
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

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

Solvent	Mass	Concentration		
		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 <sup>[1]</sup>.

### 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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