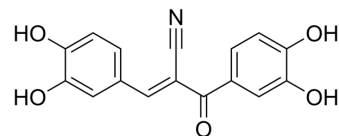


AG 538

Cat. No.:	HY-135436		
CAS No.:	133550-18-2		
Molecular Formula:	C ₁₆ H ₁₁ NO ₅		
Molecular Weight:	297.26		
Target:	IGF-1R		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (336.41 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3641 mL	16.8203 mL	33.6406 mL
	5 mM	0.6728 mL	3.3641 mL	6.7281 mL
	10 mM	0.3364 mL	1.6820 mL	3.3641 mL

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

BIOLOGICAL ACTIVITY

Description

AG 538 is a potent, competitive inhibitor of IGF-1 receptor kinase, with an IC₅₀ of 400 nM^[1].

REFERENCES

[1]. G Blum, et al. Substrate Competitive Inhibitors of IGF-1 Receptor Kinase. *Biochemistry*. 2000 Dec 26;39(51):15705-12.

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

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