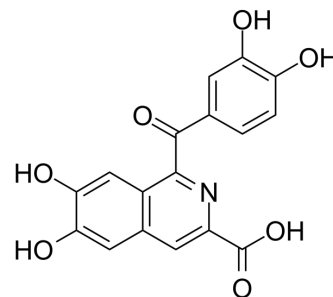


NBI-31772

Cat. No.:	HY-110135
CAS No.:	374620-70-9
Molecular Formula:	C ₁₇ H ₁₁ NO ₇
Molecular Weight:	341.27
Target:	IGF-1R
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	4°C, stored under nitrogen
	* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (366.28 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9302 mL	14.6512 mL	29.3023 mL
	5 mM	0.5860 mL	2.9302 mL	5.8605 mL
	10 mM	0.2930 mL	1.4651 mL	2.9302 mL

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

BIOLOGICAL ACTIVITY

Description

NBI-31772 is the potent and nonselective inhibitor of IGF1R with a K_i value of 47 nM. NBI-31772 has the potential for the research of IGF-responsive diseases^[1].

REFERENCES

[1]. Khawaja XZ. Development of a scintillation proximity assay for human insulin-like growth factor-binding protein 4 compatible with inhibitor high-throughput screening. Anal Biochem. 2007;366(1):80-86.

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

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