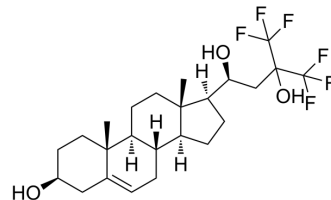


## NSC12

Cat. No.:	HY-107194		
CAS No.:	102586-30-1		
Molecular Formula:	C <sub>24</sub> H <sub>34</sub> F <sub>6</sub> O <sub>3</sub>		
Molecular Weight:	484.52		
Target:	FGFR		
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 : 10 mg/mL (20.64 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.0639 mL	10.3195 mL	20.6390 mL
5 mM	0.4128 mL	2.0639 mL	4.1278 mL
10 mM	0.2064 mL	1.0319 mL	2.0639 mL

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

## BIOLOGICAL ACTIVITY

### Description

NSC 12 is an extracellular trap of fibroblast growth factor 2 (FGF2) that binds FGF2 and interferes with its interaction with FGFR1. NSC12 inhibits the proliferation of different FGF-dependent tumour cells both in vitro and in vivo with no systemic toxic effects<sup>[1]</sup>.

## REFERENCES

[1]. Ronca R, et al. Long-Pentraxin 3 Derivative as a Small-Molecule FGF Trap for Cancer Therapy. *Cancer Cell*. 2015 Aug 10;28(2):225-39.

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

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