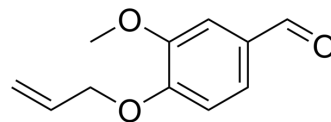


O-allylvanillin

Cat. No.:	HY-W080443		
CAS No.:	22280-95-1		
Molecular Formula:	C ₁₁ H ₁₂ O ₃		
Molecular Weight:	192.21		
Target:	Others		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (520.26 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	5.2026 mL	26.0132 mL	52.0264 mL
5 mM	1.0405 mL	5.2026 mL	10.4053 mL
10 mM	0.5203 mL	2.6013 mL	5.2026 mL

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

BIOLOGICAL ACTIVITY

Description

O-allylvanillin is O-allylchalcone derivative with anti-cancer effects^[1]. O-allylvanillin inhibits THP-1, HL60, Hep-G2, MCF-7 cells growth with IC₅₀ values of 74.76 μM, 63.52 μM, 90.99 μM, and 90.11 μM, respectively^[1].

REFERENCES

[1]. B Ngameni, et al. Synthesis and evaluation of anticancer activity of O-allylchalcone derivatives. Med chem 2013, 3:3

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

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