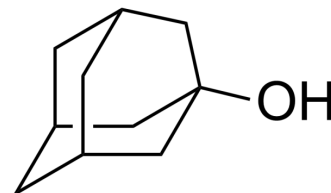


1-Adamantanol

Cat. No.:	HY-Y0531		
CAS No.:	768-95-6		
Molecular Formula:	C ₁₀ H ₁₆ O		
Molecular Weight:	152.23		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (328.45 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.5690 mL	32.8450 mL	65.6901 mL
	5 mM	1.3138 mL	6.5690 mL	13.1380 mL
	10 mM	0.6569 mL	3.2845 mL	6.5690 mL

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

BIOLOGICAL ACTIVITY

Description

1-Adamantanol is a cyclic molecule with a hydroxyl group that can be used as an intermediate in the synthesis of adamantane. 1-Adamantanol can be oxidized to 1,3-adamantanediol by the Streptomyces SA8 oxidation system^[1].

REFERENCES

[1]. Mitsukura K, Sakamoto H, Kubo H, et al. Bioconversion of 1-adamantanol to 1,3-adamantanediol using Streptomyces sp. SA8 oxidation system[J]. Journal of bioscience and bioengineering, 2010, 109(6): 550-553.

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

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