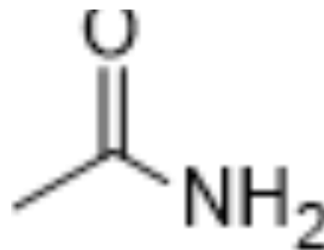


Acetamide

Cat. No.:	HY-Y0946		
CAS No.:	60-35-5		
Molecular Formula:	C ₂ H ₅ NO		
Molecular Weight:	59.07		
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

H₂O : 50 mg/mL (846.45 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	16.9291 mL	84.6453 mL	169.2907 mL
	5 mM	3.3858 mL	16.9291 mL	33.8581 mL
	10 mM	1.6929 mL	8.4645 mL	16.9291 mL

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

BIOLOGICAL ACTIVITY

Description

Acetamide is used as an intermediate in the synthesis of methylamine, thioacetamide, and insecticides, and as a plasticizer in leather, cloth and coatings. Acetamide has carcinogenicity. Acetamide derivatives may have antioxidant activity and potential anti-inflammatory activity^{[1][2][3]}.

REFERENCES

- [1]. Autore G, et al. Acetamide derivatives with antioxidant activity and potential anti-inflammatory activity. *Molecules*. 2010 Mar 23;15(3):2028-38.
- [2]. Acetamide. *IARC Monogr Eval Carcinog Risks Hum*. 1999;71 Pt 3:1211-21.
- [3]. Moore MM, et, al. The food contaminant acetamide is not an in vivo clastogen, aneugen, or mutagen in rodent hematopoietic tissue. *Regul Toxicol Pharmacol*. 2019 Nov;108:104451.

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

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