

Formamide

Cat. No.:	HY-Y0842
CAS No.:	75-12-7
Molecular Formula:	CH ₃ NO
Molecular Weight:	45.04
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Pure form -20°C 3 years 4°C 2 years



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (2220.25 mM; Need ultrasonic) DMSO : 100 mg/mL (2220.25 mM; Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	Formamide is a denaturant of DNA which can lower DNA stability in aqueous buffer solutions. Formamide is also used as a solvent for many ionic compounds, resins and plasticizers or as a chemical feedstock ^{[1][2]} .
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

- [1]. Kamineni VK, et al. Layer-by-layer nanoassembly of polyelectrolytes using formamide as the working medium. *Langmuir*. 2007;23(14):7423-7.
- [2]. Blake RD, et al. Thermodynamic effects of formamide on DNA stability. *Nucleic Acids Res*. 1996 Jun 1;24(11):2095-103.

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

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