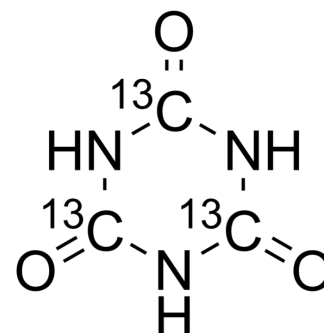


Cyanuric acid-¹³C₃

Cat. No.:	HY-W010407S
CAS No.:	201996-37-4
Molecular Formula:	¹³ C ₃ H ₃ N ₃ O ₃
Molecular Weight:	132.05
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	<div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div>



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (946.61 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		7.5729 mL	37.8644 mL	75.7289 mL
	5 mM		1.5146 mL	7.5729 mL	15.1458 mL
	10 mM		0.7573 mL	3.7864 mL	7.5729 mL

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

BIOLOGICAL ACTIVITY

Description

Cyanuric acid-¹³C₃ is the ¹³C labeled Cyanuric acid[1].

In Vitro

Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

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

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