Benzene-1,3,5-tricarboxylic acid-d_3

Cat. No.: HY-78985S

CAS No.: 62790-27-6

Molecular Formula: $C_9H_3D_3O_6$

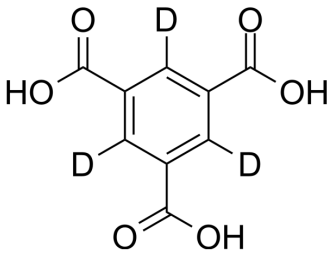
Molecular Weight: 213.16

Target: Isotope-Labeled Compounds

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 : 125 mg/mL (586.41 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Concentration / Solvent / Mass	1 mg	5 mg	10 mg
	1 mM	4.6913 mL	23.4566 mL	46.9131 mL
	5 mM	0.9383 mL	4.6913 mL	9.3826 mL
	10 mM	0.4691 mL	2.3457 mL	4.6913 mL

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

BIOLOGICAL ACTIVITY

Description

Benzene-1,3,5-tricarboxylic acid-d_3 is the deuterium labeled Benzene-1,3,5-tricarboxylic 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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