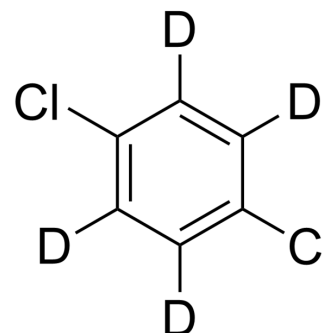


1,4-Dichlorobenzene-d₄

Cat. No.:	HY-Y0496S		
CAS No.:	3855-82-1		
Molecular Formula:	C ₆ D ₄ Cl ₂		
Molecular Weight:	151.03		
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



BIOLOGICAL ACTIVITY

Description	1,4-Dichlorobenzene-d ₄ is the deuterium labeled 1,4-Dichlorobenzene[1]. 1,4-Dichlorobenzene is used as an intermediate product in the manufacture of pigments, pesticides and disinfectants. 1,4-Dichlorobenzene is also employed as a moth control agent[2].
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.
- [2]. M. Tschickardt. Dichlorobenzene isomers (1,2-dichlorobenzene, 1,3-dichlorobenzene and 1,4 dichlorobenzene).

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA