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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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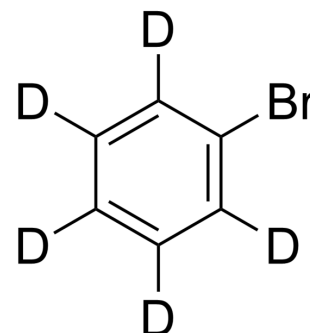
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Bromobenzene-d₅

Cat. No.:	HY-Z0056S		
CAS No.:	4165-57-5		
Molecular Formula:	C ₆ D ₅ Br		
Molecular Weight:	162.04		
Target:	Cytochrome P450		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

Bromobenzene-d₅ is the deuterium labeled Bromobenzene. Bromobenzene is a well-known environmental toxin which causes liver and kidney damage through CYP450-mediated bio-activation to generate reactive metabolites and, consequently, oxidative stress[1].

REFERENCES

- [1]. Andrejeva A, et al. Resonance-enhanced multiphoton ionization (REMPI) spectroscopy of bromobenzene and its perdeuterated isotopologue: Assignment of the vibrations of the S(0), S(1), and D(0)(+) states of bromobenzene and the S(0) and D(0)(+) states of iodobenzene. J Chem Phys. 2015;143(24):244320.
- [2]. Vedi M, et al. Assessment of hepatoprotective and nephroprotective potential of withaferin A on bromobenzene-induced injury in Swiss albino mice: possible involvement of mitochondrial dysfunction and inflammation. Cell Biol Toxicol. 2016;32(5):373-390.

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

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