



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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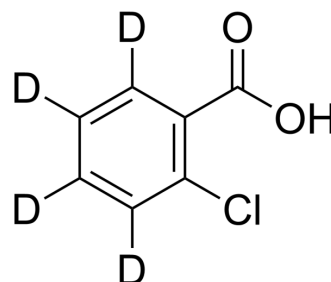
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2-Chlorobenzoic acid-d₄

Cat. No.:	HY-Y1027S2		
CAS No.:	1219795-28-4		
Molecular Formula:	C ₇ HD ₄ ClO ₂		
Molecular Weight:	160.59		
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 (778.38 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
Preparing Stock Solutions	1 mM		6.2270 mL	31.1352 mL	62.2704 mL
	5 mM		1.2454 mL	6.2270 mL	12.4541 mL
	10 mM		0.6227 mL	3.1135 mL	6.2270 mL

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

BIOLOGICAL ACTIVITY

Description

2-Chlorobenzoic acid-d₄ is the deuterium labeled 2-Chlorobenzoic 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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