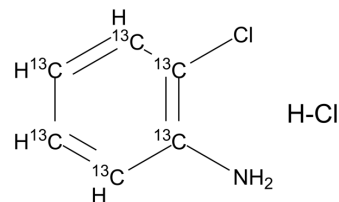


2-Chloroaniline hydrochloride-¹³C₆

Cat. No.:	HY-W104010S
CAS No.:	1261170-86-8
Molecular Formula:	¹³ C ₆ H ₇ Cl ₂ N
Molecular Weight:	169.99
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (1470.67 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	5.8827 mL	29.4135 mL	58.8270 mL	
5 mM	1.1765 mL	5.8827 mL	11.7654 mL	
10 mM	0.5883 mL	2.9413 mL	5.8827 mL	

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

BIOLOGICAL ACTIVITY

Description

2-Chloroaniline hydrochloride-¹³C₆ is the ¹³C labeled 2-Chloroaniline hydrochloride[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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