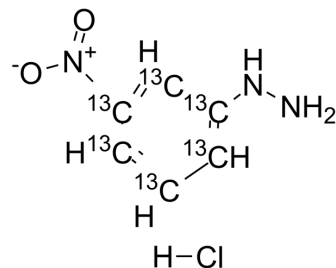


3-Nitrophenylhydrazine-13C6 hydrochloride

Cat. No.:	HY-133689AS
CAS No.:	1977535-33-3
Molecular Formula:	$^{13}\text{C}_6\text{H}_8\text{ClN}_3\text{O}_2$
Molecular Weight:	195.56
Target:	Others
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 : 50 mg/mL (255.68 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		5.1135 mL	25.5676 mL	51.1352 mL
		5 mM		1.0227 mL	5.1135 mL	10.2270 mL
10 mM		0.5114 mL	2.5568 mL	5.1135 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 1.25 mg/mL (6.39 mM); Suspended solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (6.39 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	3-Nitrophenylhydrazine-13C6 hydrochloride is the 13C labeled 3-Nitrophenylhydrazine 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

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

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