Propan-2-amine-d_6 hydrochloride

Cat. No.: HY-W101563S

CAS No.: 126794-59-0

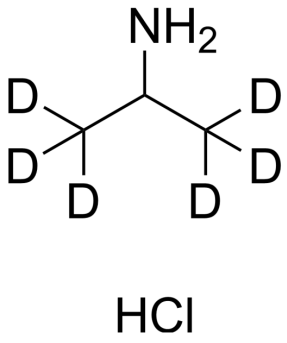
Molecular Formula: $C_3H_4D_6ClN$

Molecular Weight: 101.61

Target: Isotope-Labeled Compounds

Pathway: Others

Storage: 4°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 150 mg/mL (1476.23 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	9.8416 mL	49.2078 mL	98.4155 mL
	5 mM	1.9683 mL	9.8416 mL	19.6831 mL
	10 mM	0.9842 mL	4.9208 mL	9.8416 mL

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

BIOLOGICAL ACTIVITY

Description

Propan-2-amine-d_6 (hydrochloride) is the deuterium labeled H-Lys-OH.2HCl[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[75].

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;53(2):211-223.

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

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