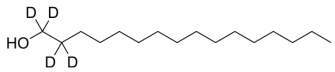
1-Hexadecanol-d4

Cat. No.:	HY-B1465S4
CAS No.:	1398065-49-0
Molecular Formula:	$C_{16}H_{30}D_4O$
Molecular Weight:	246.47
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



BIOLOGICAL ACTIVITY

Description	1-Hexadecanol-d_4 is the deuterium labeled 1-Hexadecanol[1]. 1-Hexadecanol is a fatty alcohol, a lipophilic substrate[2].
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.

[2]. Nawale L, et al. Anti-proliferative effect of novel primary cetyl alcohol derived sophorolipids against human cervical cancer cells HeLa. PLoS One. 2017 Apr 18;12(4):e0174241.

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