

## Heptadecanoic acid-d33

<b>Cat. No.:</b>	HY-W004284S1		
<b>CAS No.:</b>	352431-41-5		
<b>Molecular Formula:</b>	C <sub>17</sub> HD <sub>33</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	303.65		
<b>Target:</b>	Endogenous Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	Heptadecanoic acid-d <sub>33</sub> is the deuterium labeled Heptadecanoic acid. Heptadecanoic acid is an odd chain saturated fatty acid (OCS-FA). Heptadecanoic acid is associated with several diseases, including the incidence of coronary heart disease, prediabetes and type 2 diabetes as well as multiple sclerosis[1].
<b>In Vitro</b>	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 <sup>[1]</sup> . 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):211-216.

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

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