

Tetracosane-d₅₀

Cat. No.:	HY-N7933S		
CAS No.:	16416-32-3		
Molecular Formula:	C ₂₄ D ₅₀		
Molecular Weight:	388.96		
Target:	Apoptosis		
Pathway:	Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)
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BIOLOGICAL ACTIVITY

Description	Tetracosane-d ₅₀ is the deuterium labeled Tetracosane[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;53(2):211-216.

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

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