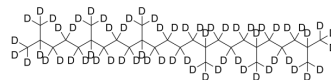


## Squalane-d<sub>62</sub>

<b>Cat. No.:</b>	HY-N7113S		
<b>CAS No.:</b>	16514-83-3		
<b>Molecular Formula:</b>	C <sub>30</sub> D <sub>62</sub>		
<b>Molecular Weight:</b>	485.2		
<b>Target:</b>	Isotope-Labeled Compounds		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	Squalane-d <sub>62</sub> is the deuterium labeled Squalane[1]. Squalane, found in certain fish oils (especially shark liver oil), and some vegetable oils, is a saturated derivative of Squalene. Squalane shows anticancer, antioxidant, skin hydrating, and emollient activities[2].
<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 Feb;53(2):211-216.
- [2]. Kim SK, et al. Biological importance and applications of squalene and squalane. *Adv Food Nutr Res*. 2012;65:223-33.

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

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