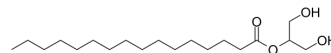


## 2-Palmitoylglycerol

Cat. No.:	HY-W013788		
CAS No.:	23470-00-0		
Molecular Formula:	C <sub>19</sub> H <sub>38</sub> O <sub>4</sub>		
Molecular Weight:	330.5		
Target:	Cannabinoid Receptor		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

Description	2-Palmitoylglycerol (2-Palm-Gl), an congener of 2-arachidonoylglycerol (2-AG), is a modest cannabinoid receptor CB1 agonist. 2-Palmitoylglycerol also may be an endogenous ligand for GPR119 <sup>[1]</sup> .
IC <sub>50</sub> & Target	CB1
In Vitro	2-Palmitoylglycerol (2-PG) modestly internalizes CB1 receptor on its own at concentrations as low as 300nM. 2-Palmitoylglycerol behaves as a very modest antagonist in depolarization-induced suppression of excitation (DSE) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Natalia Murataeva, et al. Where's my entourage? The curious case of 2-oleoylglycerol, 2-linolenoylglycerol, and 2-palmitoylglycerol. Pharmacol Res. 2016 Aug;110:173-180.

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

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