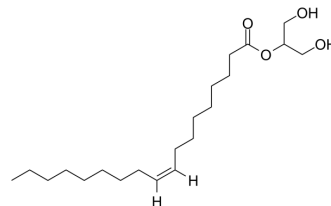


## 2-Oleoylglycerol

Cat. No.:	HY-W011121
CAS No.:	3443-84-3
Molecular Formula:	C <sub>21</sub> H <sub>40</sub> O <sub>4</sub>
Molecular Weight:	357
Target:	GPR119
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Solution, -20°C, 2 years



### BIOLOGICAL ACTIVITY

Description	2-Oleoylglycerol is a dietary naturally occurring lipid. 2-Oleoylglycerol is a GPR119 agonist, with an EC <sub>50</sub> of 2.5 μM for human GPR119 in transiently transfected COS-7 cells. 2-Oleoylglycerol stimulates glucagon-like peptide-1 (GLP-1) secretion in vivo [1][2].
IC <sub>50</sub> & Target	IC <sub>50</sub> : 2.5 μM (hGPR119) (in COS-7 cells) <sup>[1]</sup>

### REFERENCES

- [1]. Hansen KB, et, al. 2-Oleoyl glycerol is a GPR119 agonist and signals GLP-1 release in humans. J Clin Endocrinol Metab. 2011 Sep;96(9):E1409-17.
- [2]. Ghafouri N, et, al. Inhibition of monoacylglycerol lipase and fatty acid amide hydrolase by analogues of 2-arachidonoylglycerol. Br J Pharmacol. 2004 Nov;143(6):774-84.

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

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