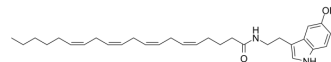


## N-Arachidonoylserotonin

Cat. No.:	HY-103337
CAS No.:	187947-37-1
Molecular Formula:	C <sub>30</sub> H <sub>42</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	462.67
Target:	FAAH; TRP Channel
Pathway:	Metabolic Enzyme/Protease; Neuronal Signaling; Membrane Transporter/Ion Channel
Storage:	Solution, -20°C, 2 years



### BIOLOGICAL ACTIVITY

<b>Description</b>	N-Arachidonoylserotonin (Arachidonyl serotonin; AA-5-HT) is a potent fatty acid amide hydrolase (FAAH) inhibitor with an IC <sub>50</sub> value of 1~12 μM. N-Arachidonoylserotonin acts also as an antagonist of transient receptor potential vanilloid-type 1 (TRPV1) channels (IC <sub>50</sub> =70~100 nM). N-Arachidonoylserotonin is analgesic in rodents <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 1~12 μM (FAAH), 70~100 nM (TRPV1 channels) <sup>[1]</sup>

### REFERENCES

[1]. Ortar G, et al. New N-arachidonoylserotonin analogues with potential "dual" mechanism of action against pain. J Med Chem. 2007;50(26):6554-6569.

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

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