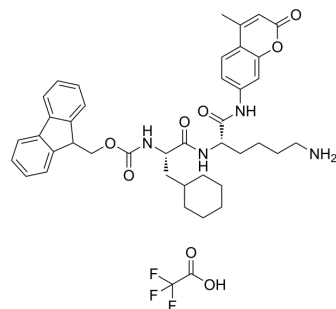


## Galnon TFA

<b>Cat. No.:</b>	HY-103536A
<b>CAS No.:</b>	1217448-19-5
<b>Molecular Formula:</b>	C <sub>42</sub> H <sub>47</sub> F <sub>3</sub> N <sub>4</sub> O <sub>8</sub>
<b>Molecular Weight:</b>	792.84
<b>Target:</b>	Neuropeptide Y Receptor
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<b>Storage:</b>	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



## SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 125 mg/mL (157.66 mM; Need ultrasonic)				
	<b>Preparing Stock Solutions</b>	<b>Solvent</b> \ <b>Mass</b> \ <b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>1 mM</b>	1.2613 mL	6.3064 mL	12.6129 mL
		<b>5 mM</b>	0.2523 mL	1.2613 mL	2.5226 mL
		<b>10 mM</b>	0.1261 mL	0.6306 mL	1.2613 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (2.62 mM); Clear solution				

## BIOLOGICAL ACTIVITY

<b>Description</b>	Galnon TFA is a selective and non-peptide agonist of galanin GAL1 and GAL2 receptor, with K <sub>i</sub> s of 11.7 and 34.1 μM respectively. Galnon TFA exhibits anticonvulsant and anxiolytic effects <sup>[1][2]</sup> .
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## REFERENCES

- [1]. Bartfai T, et, al. Galmic, a nonpeptide galanin receptor agonist, affects behaviors in seizure, pain, and forced-swim tests. Proc Natl Acad Sci U S A. 2004 Jul 13;101(28):10470-5.
- [2]. Rajarao SJR, et, al. Anxiolytic-like activity of the non-selective galanin receptor agonist, galnon. Neuropeptides. 2007 Oct;41(5):307-20.

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

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