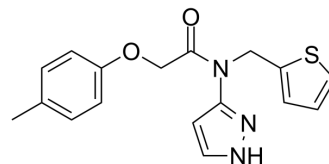


FEMA 4809

Cat. No.:	HY-130074
CAS No.:	1374760-95-8
Molecular Formula:	C ₁₇ H ₁₇ N ₃ O ₂ S
Molecular Weight:	327.4
Target:	TRP Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (763.59 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	3.0544 mL	15.2718 mL	30.5437 mL	
5 mM	0.6109 mL	3.0544 mL	6.1087 mL	
10 mM	0.3054 mL	1.5272 mL	3.0544 mL	

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

FEMA 4809 is a TRPM8 receptor agonist (EC₅₀=0.2 nM) for use as a cooling agent. TRPM8 is the ion channel responsible for the cool perception^[1].

REFERENCES

[1]. Alain Noncovich, et al. Discovery and development of a novel class of phenoxyacetyl amides as highly potent TRPM8 agonists for use as cooling agents. *Bioorg Med Chem Lett.* 2017 Aug 15;27(16):3931-3938.

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

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