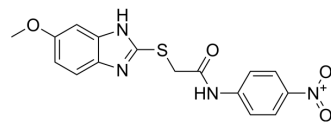


## AG-09/1

Cat. No.:	HY-128113		
CAS No.:	356776-32-4		
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> N <sub>4</sub> O <sub>4</sub> S		
Molecular Weight:	358.37		
Target:	Formyl Peptide Receptor (FPR)		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 250 mg/mL (697.60 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7904 mL	13.9521 mL	27.9041 mL
	5 mM	0.5581 mL	2.7904 mL	5.5808 mL
	10 mM	0.2790 mL	1.3952 mL	2.7904 mL

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

### BIOLOGICAL ACTIVITY

<b>Description</b>	AG-09/1 is a specific formyl peptide receptor 1 (FPR1) agonist. N-formyl peptide receptors (FPR) are important in host defense <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	FPR1 <sup>[1]</sup>
<b>In Vitro</b>	N-formyl peptides activate phagocytes through G protein-coupled receptors known as FPR. FPR1 was the first FPR cloned and encodes a high-affinity receptor for fMLF <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Andrei I Khlebnikov, et al. Computational Structure-Activity Relationship Analysis of Small-Molecule Agonists for Human Formyl Peptide Receptors. Eur J Med Chem. 2010 Nov;45(11):5406-19.

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

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