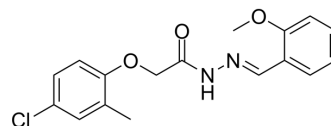


Ani9

Cat. No.:	HY-119981		
CAS No.:	356102-14-2		
Molecular Formula:	C ₁₇ H ₁₇ ClN ₂ O ₃		
Molecular Weight:	332.78		
Target:	Chloride Channel		
Pathway:	Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 125 mg/mL (375.62 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.0050 mL	15.0249 mL	30.0499 mL
	5 mM	0.6010 mL	3.0050 mL	6.0100 mL
	10 mM	0.3005 mL	1.5025 mL	3.0050 mL

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

BIOLOGICAL ACTIVITY

Description

Ani9 is a potent and selective transmembrane protein 16A (TMEM16A, Anoctamin-1) blocker with IC₅₀ at 77 nM. Ani9 can be applied to the study of cancer and other diseases^{[1][2]}.

REFERENCES

- [1]. Seo Y, et al. Synthesis and biological evaluation of novel Ani9 derivatives as potent and selective ANO1 inhibitors. *Eur J Med Chem.* 2018 Dec 5;160:245-255.
- [2]. Seo Y, et al. Ani9, A Novel Potent Small-Molecule ANO1 Inhibitor with Negligible Effect on ANO2. *PLoS One.* 2016 May 24;11(5):e0155771.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA