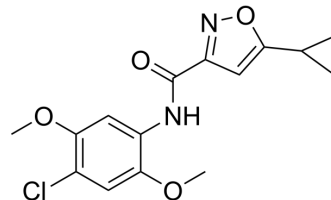


## ML115

Cat. No.:	HY-111152
CAS No.:	912798-42-6
Molecular Formula:	C <sub>15</sub> H <sub>15</sub> ClN <sub>2</sub> O <sub>4</sub>
Molecular Weight:	322.74
Target:	STAT
Pathway:	JAK/STAT Signaling; Stem Cell/Wnt
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 20 mg/mL (61.97 mM); ultrasonic and warming and heat to 60°C					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	3.0985 mL	15.4923 mL	30.9847 mL
			5 mM	0.6197 mL	3.0985 mL	6.1969 mL
			10 mM	0.3098 mL	1.5492 mL	3.0985 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2 mg/mL (6.20 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	ML115 is a molecular probe of the signal transducer and activator of transcription (STAT3). ML115 is a STAT3 agonist <sup>[1]</sup> .
-------------	---

### REFERENCES

[1]. Wu C, et al. Spectroscopic investigations and molecular docking analysis of ML115: A potential molecular probe of the signal transducer and activator of transcription. Journal of Molecular Structure, 2019, 1175: 638-647.

---

**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](mailto:tech@MedChemExpress.com)

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