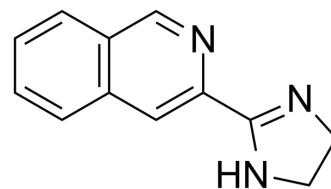


## BU226 hydrochloride

<b>Cat. No.:</b>	HY-101380A
<b>CAS No.:</b>	1186195-56-1
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>12</sub> ClN <sub>3</sub>
<b>Molecular Weight:</b>	233.7
<b>Target:</b>	Imidazoline Receptor
<b>Pathway:</b>	Neuronal Signaling
<b>Storage:</b>	4°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)



HCl

### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 25 mg/mL (106.97 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.2790 mL	21.3950 mL	42.7899 mL
5 mM	0.8558 mL	4.2790 mL	8.5580 mL
10 mM	0.4279 mL	2.1395 mL	4.2790 mL

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

### BIOLOGICAL ACTIVITY

#### Description

BU226 hydrochloride is a selective imidazoline 2 (I<sub>2</sub>) receptors ligand with an K<sub>i</sub> of 1.4 nM for I<sub>2</sub> and an IC<sub>50</sub> of 534.5 nM for I<sub>1</sub>. BU226 hydrochloride can be used for researching antidepressant<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

K<sub>i</sub>: 1.4 nM (I<sub>2</sub>)<sup>[1]</sup>  
IC<sub>50</sub>: 534.5 nM (I<sub>1</sub>)<sup>[1]</sup>

### REFERENCES

[1]. Hudson AL, et al. Novel selective compounds for the investigation of imidazoline receptors. Ann N Y Acad Sci. 1999 Jun 21;881:81-91.

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

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