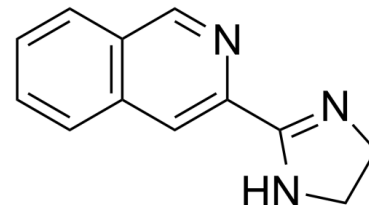


Data Sheet

Product Name:	BU226 (hydrochloride)
Cat. No.:	CS-0021264
CAS No.:	1186195-56-1
Molecular Formula:	C ₁₂ H ₁₂ ClN ₃
Molecular Weight:	233.70
Target:	Imidazoline Receptor
Pathway:	Neuronal Signaling
Solubility:	DMSO : 25 mg/mL (106.97 mM; Need ultrasonic)



HCl

BIOLOGICAL ACTIVITY:

BU226 hydrochloride is a selective **imidazoline 2 (I₂) receptors** ligand with an **K_i** of 1.4 nM for I₂ and an **IC₅₀** of 534.5 nM for I₁. BU226 hydrochloride can be used for researching antidepressant^[1]. IC₅₀ & Target: K_i: 1.4 nM (I₂)^[1]
IC₅₀: 534.5 nM (I₁)^[1]

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.

CAIndexNames:

Isoquinoline, 3-(4,5-dihydro-1H-imidazol-2-yl)-, hydrochloride (1:1)

SMILES:

C1(C2=NCCN2)=CC3=C(C=N1)C=CC=C3.Cl

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

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