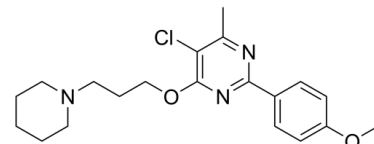


Data Sheet

Product Name:	Sigma-1 receptor antagonist 2
Cat. No.:	CS-0100197
CAS No.:	1639220-15-7
Molecular Formula:	C ₂₀ H ₂₆ ClN ₃ O ₂
Molecular Weight:	375.89
Target:	Sigma Receptor
Pathway:	Neuronal Signaling
Solubility:	DMSO : 86.67 mg/mL (ultrasonic)



BIOLOGICAL ACTIVITY:

Sigma-1 receptor antagonist 2 is a potent and selective **sigma 1 receptor (σ1 R)** antagonist with **K_is** of 3.88 and 1288 nM for σ1 and σ2 receptor, respectively^[1]. IC₅₀ & Target:K_i: 3.88 nM (σ1 receptor), 1288 nM (σ2 receptor)^[1]

References:

[1]. Lan Y, et al. Synthesis and biological evaluation of novel sigma-1 receptor antagonists based on pyrimidine scaffold as agents for treating neuropathic pain. J Med Chem. 2014 Dec 26;57(24):10404-23.

CAIndexNames:

Pyrimidine, 5-chloro-2-(4-methoxyphenyl)-4-methyl-6-[3-(1-piperidinyl)propoxy]-

SMILES:

CC1=NC(C2=CC=C(OC)C=C2)=NC(OCCCN3CCCCC3)=C1Cl

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

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