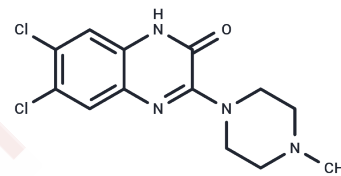


VUF-10214

## Chemical Properties

CAS No. : 848837-33-2  
 Formula: C<sub>13</sub>H<sub>14</sub>Cl<sub>2</sub>N<sub>4</sub>O  
 Molecular Weight: 313.18  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	VUF-10214 is an H4 receptor-ligand. VUF-10214 has significant anti-inflammatory properties in the carrageenan-induced paw edema model in vivo studies in the rat reveal.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1931 mL	15.9653 mL	31.9305 mL
5 mM	0.6386 mL	3.1931 mL	6.3861 mL
10 mM	0.3193 mL	1.5965 mL	3.1931 mL
50 mM	0.0639 mL	0.3193 mL	0.6386 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Pozzoli C, Adami M, Smits RA, Coruzzi G. Effect of histamine H4 receptor ligands on cholinergic neurotransmission of the rat duodenum. *Inflamm Res.* 2009 Apr;58 Suppl 1:59-60. doi: 10.1007/s00011-009-2012-4. PubMed PMID: 19271139.

Smits RA, Lim HD, Hanzer A, Zuiderveld OP, Guaita E, Adami M, Coruzzi G, Leurs R, de Esch IJ. Fragment based design of new H4 receptor-ligands with anti-inflammatory properties in vivo. *J Med Chem.* 2008 Apr 24;51(8):2457-67. doi: 10.1021/jm7014217. Epub 2008 Mar 22. PubMed PMID: 18357976.

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