

Alilusem

Chemical Properties

CAS No. :	114417-20-8
Formula:	C17H15ClKN2O5S
Molecular Weight:	433.92
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Alilusem is a new diuretic that is beneficial to the clinical treatment of hypertension.
Targets(IC50)	Others,Chloride channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3046 mL	11.5229 mL	23.0457 mL
5 mM	0.4609 mL	2.3046 mL	4.6091 mL
10 mM	0.2305 mL	1.1523 mL	2.3046 mL
50 mM	0.0461 mL	0.2305 mL	0.4609 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

- Nishimura T, Kubo Y, Kato Y, Sai Y, Ogihara T, Tsuji A. Characterization of the uptake mechanism for a novel loop diuretic, M17055, in Caco-2 cells: involvement of organic anion transporting polypeptide (OATP)-B. *Pharm Res*. 2007 Jan;24(1):90-8. Epub 2006 Nov 14. PubMed PMID: 17103337.
- Nishimura T, Kato Y, Sai Y, Ogihara T, Tsuji A. Characterization of renal excretion mechanism for a novel diuretic, M17055, in rats. *J Pharm Sci*. 2004 Oct;93(10):2558-66. PubMed PMID: 15349965.
- Nakajima H, Nakanishi T, Naba H, Nakai K, Matsumoto S, Nagasawa K, Ida K, Ogihara T, Ohzawa N. Studies on the metabolic fate of M17055, a novel diuretic (6). Assessment for drug-drug interactions of M17055 in metabolism, distribution and excretion. *Xenobiotica*. 2002 Dec;32(12):1161-72. PubMed PMID: 12593763.
- Kim S, Hamaguchi A, Shinkawa T, Kato Y, Tsuchiya N, Miura K, Ohta K, Iwao H. Molecular effects of M17055, furosemide and thiazide on cardiac hypertrophy of spontaneously hypertensive rats. *J Pharmacol Exp Ther*. 1996 Nov;279(2):983-90. PubMed PMID: 8930208.

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