

Aspirin DL-lysine

Chemical Properties

CAS No.:	62952-06-1
Formula:	C ₁₅ H ₂₂ N ₂ O ₆
Molecular Weight:	326.34
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Aspirin DL-lysine is a non-steroidal anti-inflammatory drug. It also may inhibit cancer growth. Aspirin DL-lysine is a water-soluble, injectable aspirin derivative.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.064 mL	15.321 mL	30.643 mL
5 mM	0.613 mL	3.064 mL	6.129 mL
10 mM	0.306 mL	1.532 mL	3.064 mL
50 mM	0.061 mL	0.306 mL	0.613 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Yasu T, Oshima S, Imanishi M, Nonogi H, Haze K, Kuramochi M, Omae T, Hayashi Y, Yamamoto S. Effects of aspirin DL-lysine on thrombin generation in unstable angina pectoris. *Am J Cardiol*. 1993 May 15;71(13):1164-8. PubMed PMID: 8480641.
2. Sakakibara H, Tsuda M, Suzuki M, Handa M, Saga T, Umeda H, Suetsugu S, Konishi Y. [A new method of diagnosis of aspirin-induced asthma by inhalation test with water-soluble aspirin (aspirin DL-lysine, Venopirin). *Nihon Kyobu Shikkan Gakkai Zasshi*. 1988 Mar;26(3):275-83. Japanese. PubMed PMID: 3148054.
3. Whittem T, Freeman DA, Parton K, Hanlon DW. The pharmacokinetics of salicylate in dairy cattle are not altered by simultaneous intravenous ceftiofur sodium and DL-lysine-acetyl salicylate (aspirin). *J Vet Pharmacol Ther*. 1996 Apr;19(2):104-8. PubMed PMID: 8735416.
4. Nishimura S, Liang RF, Kawabata A, Arai T, Mizuno H, Sakata T, Maruyama S, Tajima M, Sato S. [Effects of aspirin DL-lysine on bone wound healing and bone growth in rats]. *Meikai Daigaku Shigaku Zasshi*. 1988;17(3):376-84. Japanese. PubMed PMID: 3271922.

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