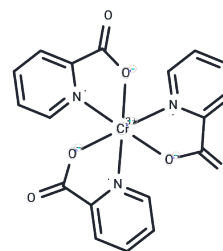


Chromium picolinate

Chemical Properties

CAS No. : 14639-25-9
 Formula: C₁₈H₁₂CrN₃O₆
 Molecular Weight: 418.30
 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	Chromium picolinate causes DNA damage and mutation. It is an activator of p38.
Targets(IC50)	Apoptosis,DNA,p38 MAPK
In vivo	Acrivastine (usually 8mg three times daily) is an effective and well-tolerated antihistamine in the treatment of chronic urticaria and allergic rhinitis. Acrivastine causes less drowsiness than clemastine, the incidence of adverse effects being indistinguishable from that with placebo or terfenadine. In the treatment of dermatoses in which histamine has a pathogenetic role, the efficacy of acrivastine is superior to that of placebo and similar to that of usual dosages of clemastine, hydroxyzine, chlorpheniramine, cyproheptadine or terfenadine [1]. Both 4 mg and 8 mg acrivastine alleviate the symptoms of seasonal allergic rhinitis with significant improvements in the symptom scores for sneezing, running nose and the calculated overall score. In addition, 8 mg acrivastine reduces the symptom scores for watery eyes and itchy throat. Acrivastine is both well tolerated and effective in the treatment of seasonal allergic rhinitis [2].

Solubility Information

Solubility	DMSO: 4.19 mg/mL (10.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3906 mL	11.9531 mL	23.9063 mL
5 mM	0.4781 mL	2.3906 mL	4.7813 mL
10 mM	0.2391 mL	1.1953 mL	2.3906 mL
50 mM	0.0478 mL	0.2391 mL	0.4781 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

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