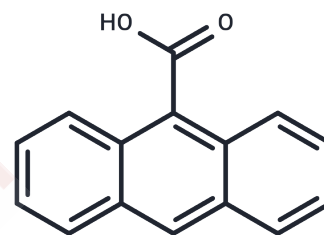


Anthracene-9-carboxylic acid

Chemical Properties

CAS No. :	723-62-6
Formula:	C ₁₅ H ₁₀ O ₂
Molecular Weight:	222.24
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	Anthracene-9-carboxylic acid is an inhibitor of chloride transport with a moderate to strong inhibitory action on PKA activated cardiac ICl.
Targets(IC50)	Others,Chloride channel

Solubility Information

Solubility	DMSO: 22.22 mg/mL (99.98 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	4.4996 mL	22.4982 mL	44.9964 mL
5 mM	0.8999 mL	4.4996 mL	8.9993 mL
10 mM	0.450 mL	2.2498 mL	4.4996 mL
50 mM	0.090 mL	0.450 mL	0.8999 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

Villegas-Navarro A, Jiménez-Salas Z, Reyes JL. Anthracene-9-carboxylic acid and haematological and biochemical variables in the rat[J]. Archives Internationales De Pharmacodynamie Et De Thérapie, 1989, 302(302):290.
Marina Stanić , Strahinja Križak, et al. Growth inhibition of fungus *Phycomyces blakesleeanus* by anion channel inhibitors anthracene-9-carboxylic and niflumic acid attained through decrease in cellular respiration and energy metabolites. Microbiology. 2017 Mar; 163(3):364-372.

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