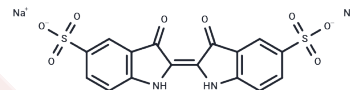


C.I. Food Blue 1-aluminum lake

Chemical Properties

CAS No. :	16521-38-3
Formula:	C ₁₆ H ₈ N ₂ Na ₂ O ₈ S ₂
Molecular Weight:	466.35
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	C.I. Food Blue 1-aluminum lake is a type of colorant.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1443 mL	10.7216 mL	21.4431 mL
5 mM	0.4289 mL	2.1443 mL	4.2886 mL
10 mM	0.2144 mL	1.0722 mL	2.1443 mL
50 mM	0.0429 mL	0.2144 mL	0.4289 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

Tsuji S, Amakura Y, Umino Y, Nishi M, Nakanishi T, Tonogai Y. Structural determination of the subsidiary colors in food blue No. 1 (brilliant blue FCF) aluminum lake detected by paper chromatography. Shokuhin Eiseigaku Zasshi. 2001 Aug;42(4):243-8. PubMed PMID: 11817139.

Tsuji S, Okada M, Amakura Y, Tonogai Y. [Estimated production by the official inspection of coal-tar dyes (including dye aluminum lakes) in fiscal year 1999]. Kokuritsu Iyakuin Shokuhin Eisei Kenkyusho Hokoku. 2000;(118):135-8. Japanese. PubMed PMID: 11534114.

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