



LKT Laboratories, Inc.

Eosin Y Disodium

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Product Information

Product ID E583731

CAS No. 17372-87-1

Chemical Name

Synonym AMI-5, PRMT Inhibitor, Eosin Yellowish

Formula $C_{20}H_6Br_4Na_2O_5$

Formula Wt. 691.86

Melting Point

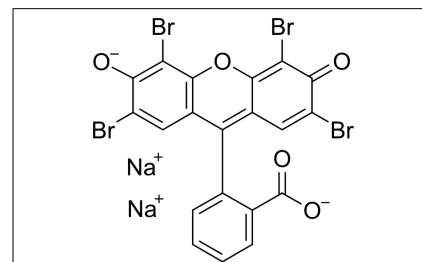
Purity $\geq 97\%$

Solubility

Store Temp 4°C

Ship Temp Ambient

Description Eosin Y disodium is a tetrabromofluorescein yellow-red dye from the xanthene family that gives green fluorescence. This dye has commonly found use as a biological stain, and can also be used in determining many basic drugs by forming complexes with the acidic carboxyl group. Eosin Y has also been used in producing devices, such as electrodes, modified to facilitate electron transfer efficiency, to evaluate toxicity of 2,4-dichlorophenol to HepG2 cells. Quite interestingly, Eosin Y has demonstrated effective use as a structure directing agent in the production of flexible dye-sensitized solar cells. Eosin Y has also found use as a catalyst in the organic synthesis of tetrahydroquinolines. Non-selectively inhibits protein methyltransferase (PRMT). TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
E583731	50 mg	\$65.00
E583731	250 mg	\$250.00
E583731	1 g	\$650.00

References Derayea SM, Omar MA, Abu-Hassan AA. Studying the association complex formation of atomoxetine and fluvoxamine with eosin Y and its application in their fluorimetric determination. R Soc Open Sci. 2018 Mar 14;5(3):170943. PMID: 29657744.

Walash MI, Belal FF, Eid MI, et al. Spectrophotometric determination of tizanidine and orphenadrine via ion pair complex formation using eosin Y. Chem Cent J. 2011 Oct 8;5:60. PMID: 21982341.

Costantino PJ, Budd DE, Gare NF. Enumeration of viable Candida albicans blastospores using tetrabromofluorescein (eosin Y) and flow cytometry. Cytometry. 1995 Apr 1;19(4):370-375. PMID: 7540973.

Zhu X, Zhang K, Wang C, et al. Quantitative determination and toxicity evaluation of 2,4-dichlorophenol using poly(eosin Y) /hydroxylated multi-walled carbon nanotubes modified electrode. Sci Rep. 2016 Dec 12;6:38657. PMID: 27941912.

Bittner F, Oekermann T, Wark M. Scale-up of the electrodeposition of ZnO/eosin Y hybrid thin films for the fabrication of flexible dye-sensitized solar cell modules. Materials (Basel). 2018 Feb 2;11(2). pii:E232. PMID: 29393910.

Liang Z, Xu S, Tian W, et al. Eosin Y-catalyzed visible-light-mediated aerobic oxidative cyclization of N,N-dimethylanilines with maleimides. Beilstein J Org Chem. 2015 Apr 1;11:425-430. PMID: 25977716.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.