

Vat Blue 6

Chemical Properties

CAS No. : 130-20-1

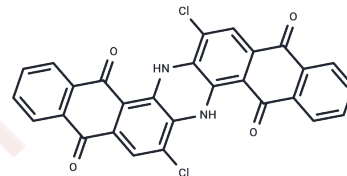
Formula: C₂₈H₁₂Cl₂N₂O₄

Molecular Weight: 511.31

Keep away from direct sunlight

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	Vat Blue 6 is an agent of blue dye.
Targets(IC50)	Others

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	1.9558 mL	9.7788 mL	19.5576 mL
5 mM	0.3912 mL	1.9558 mL	3.9115 mL
10 mM	0.1956 mL	0.9779 mL	1.9558 mL
50 mM	0.0391 mL	0.1956 mL	0.3912 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

Freitas AAR, Faria AR, Pinto TCA, Merquior VLC, Neves DM, Costa RCD, Teixeira LM. Distribution of species and antimicrobial resistance among enterococci isolated from the fecal microbiota of captive blue-fronted parrot (*Amazona aestiva*) in Rio de Janeiro, Brazil. *Sci Total Environ*. 2018 Feb 15;615:1428-1437. doi: 10.1016/j.scitotenv.2017.09.004. Epub 2017 Oct 19. PubMed PMID: 29055593.

Hirsch KR, Smith-Ryan AE, Blue MNM, Mock MG, Trexler ET. Influence of segmental body composition and adiposity hormones on resting metabolic rate and substrate utilization in overweight and obese adults. *J Endocrinol Invest*. 2017 Jun;40(6):635-643. doi: 10.1007/s40618-017-0616-z. Epub 2017 Feb 16. PubMed PMID: 28211029; PubMed Central PMCID: PMC5444984.

Hirsch KR, Smith-Ryan AE, Blue MN, Mock MG, Trexler ET, Ondrak KS. Metabolic characterization of overweight and obese adults. *Phys Sportsmed*. 2016 Nov;44(4):362-372. PubMed PMID: 27737609; PubMed Central PMCID: PMC5220642.

Gotardo ÉM, Caria CR, de Oliveira CC, Rocha T, Ribeiro ML, Gambero A. Effects of iron supplementation in mice with hypoferremia induced by obesity. *Exp Biol Med (Maywood)*. 2016 Dec;241(18):2049-2055. doi: 10.1177/1535370216660398. Epub 2016 Jul 24. PubMed PMID: 27439539; PubMed Central PMCID: PMC5102132.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481