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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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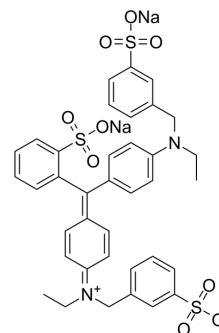
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Brilliant Blue FCF

| | |
|---------------------------|--|
| Cat. No.: | HY-D0915 |
| CAS No.: | 3844-45-9 |
| Molecular Formula: | C ₃₇ H ₃₄ N ₂ Na ₂ O ₉ S ₃ |
| Molecular Weight: | 792.85 |
| Target: | Fluorescent Dye |
| Pathway: | Others |
| Storage: | 4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light) |



SOLVENT & SOLUBILITY

| | | | | | |
|---|---|----------------------|-------------|-------------|--------------|
| In Vitro | H ₂ O : 33.33 mg/mL (42.04 mM; ultrasonic and adjust pH to 11 with NaOH) | | | | |
| | Preparing Stock Solutions | Solvent | 1 mg | 5 mg | 10 mg |
| | | Concentration | | | |
| | | 1 mM | 1.2613 mL | 6.3064 mL | 12.6127 mL |
| | | 5 mM | 0.2523 mL | 1.2613 mL | 2.5225 mL |
| | 10 mM | 0.1261 mL | 0.6306 mL | 1.2613 mL | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | 1. Add each solvent one by one: PBS Solubility: 25 mg/mL (31.53 mM); Clear solution; Need ultrasonic | | | | |

BIOLOGICAL ACTIVITY

| | |
|--------------------|---|
| Description | Brilliant Blue FCF is an aromatic hydrocarbon, a synthetic dye produced from petroleum and used as a colorant for food and other substances. The solution has a maximum absorption at 628 nm. |
| In Vitro | <ol style="list-style-type: none"> Prepare the reserved liquid: 0.1% Brilliant Blue FCF stock solution was prepared in 85% lactic acid. 0.22µM filter membrane filtration. Dye The fungal and bacterial cell suspensions were adjusted to approximately 10⁵ and 10⁶ CFU/mL, respectively. Bacterial or fungal suspensions of 600 µl were suspended with 100 µl dye solution, respectively. The dye was applied to the fungal sample for 5 min. The maximum absorption peak was observed at 628 nM by fluorescence microscopy. MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

CUSTOMER VALIDATION

- Int J Oral Sci. 2023 Jan 16;15(1):7.
- Soil Research. 56(6) 588-60.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Chau HW, et al An innovative brilliant blue FCF method for fluorescent staining of fungi and bacteria. Biotech Histochem. 2011 Aug;86(4):280-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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