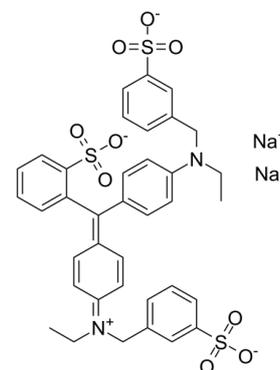


Data Sheet

Product Name:	Brilliant Blue FCF
Cat. No.:	CS-5366
CAS No.:	3844-45-9
Molecular Formula:	C ₃₇ H ₃₄ N ₂ Na ₂ O ₉ S ₃
Molecular Weight:	792.85
Target:	Others
Pathway:	Others
Solubility:	H ₂ O : ≥ 48 mg/mL (60.54 mM); H ₂ O : 33.33 mg/mL (42.04 mM); ultrasonic and adjust pH to 11 with NaOH)



BIOLOGICAL ACTIVITY:

Brilliant Blue FCF has the appearance of a reddish-blue powder. It is soluble in water, and the solution has a maximum absorption at about 628 nanometers. It is a synthetic dye produced using aromatic hydrocarbons from petroleum, is a colorant for foods and other substances.

CAIndexNames:

Benzenemethanaminium, N-ethyl-N-[4-[4-[ethyl[(3-sulfophenyl)methyl]amino]phenyl](2-sulfophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, inner salt, sodium salt (1:2)

SMILES:

O=S(C1=CC(C/[N+](CC)=C2C=C/C(C=C/2)=C(C3=CC=C(N(CC)CC4=CC=CC(S(=O)([O-])=O)=C4)C=C3)\C5=CC=CC=C5S(=O)([O-])=O)=CC=C1)([O-])=O.[Na+].[Na+]

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

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