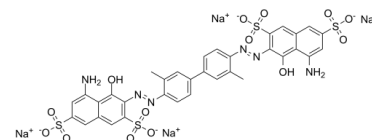


Data Sheet

Product Name:	Diphenyl Blue
Cat. No.:	CS-6991
CAS No.:	72-57-1
Molecular Formula:	C ₃₄ H ₂₄ N ₆ Na ₄ O ₁₄ S ₄
Molecular Weight:	960.81
Target:	Others
Pathway:	Others
Solubility:	H ₂ O : 150 mg/mL (156.12 mM; Need ultrasonic and warming)



BIOLOGICAL ACTIVITY:

Diphenyl Blue (Direct Blue 14) is used as reference dye for group of azo dye.

CAIndexNames:

2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(2,1-diazenediyl)]bis[5-amino-4-hydroxy-, sodium salt (1:4)

SMILES:

CC1=CC(C2=CC=C(/N=N/C3=C(S(=O)([O-])=O)C=C4C=C(S(=O)([O-])=O)C=C(N)C4=C3O)C(C)=C2)=CC=C1/N=N/C5=C(S(=O)([O-])=O)C=C6C=C(S(=O)([O-])=O)C=C(N)C6=C5O.[Na+].[Na+].[Na+].[Na+]

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

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