

## Typical Product Specifications & Properties

# Acid blue 40

CAS Number: : 6424-85-7

Specifications	Limits
Molecular weight	473.44
SMILES	<chem>[Na+].CC(=O)Nc1ccc(Nc2cc(c(N)c3C(=O)c4ccccc4C(=O)c(=O)[O-])cc1</chem>
InChI	NTOOJLUHUFUGQI-UHFFFAOYSA-M
InChIKey	1S/C22H17N3O6S.Na/c1-11(26)24-12-6-8-13(9-7-12)25-16-10-17(32(29,30)31)20(23)19-18(16)21(27)14-4-2-3-5-15(14)22(19)210,25H,23H2,1H3,(H,24,26)(H,29,30,31);/q;+1/p-1
log P (octanol-water)	-0.460
Vapor Pressure	1.52E-24 mm Hg
Water solubility	9.990 mg/L
Atmospheric OH Rate Constant	9.72E-11 cm <sup>3</sup> /molecule-sec