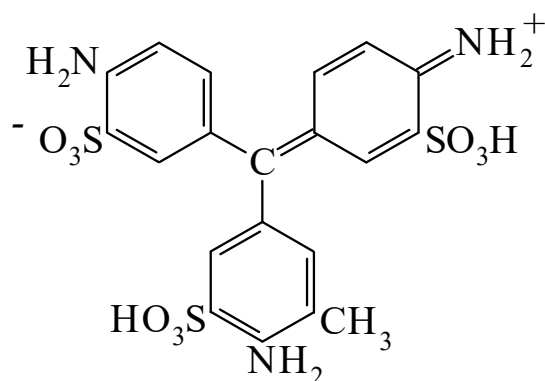




>>Entry Name: Acid fuchsin

ENTRY UNDER REVIEW

Synonym(s): 2-Amino-5-[(4-amino-3-sulfophenyl)(4-imino-3-sulfo-2,5-cyclohexadien-1-ylidene)methyl]-3-methylbenzenesulfonic acid. Acid magenta. Acid rubin. C.I. Acid violet 19. C.I. 42685. Acid roseine. Acid fuchsine



Molecular Formula: C₂₀H₁₉N₃O₉S₃

Molecular Weight: 541.583

Accurate Mass: 541.028342

Percentage Composition: C 44.36%; H 3.54%; N 7.76%; O 26.59%; S 17.76%

General Statement: Strictly the name Acid fuchsin applies to the disodium salt

>>Derivative: Di-Na salt

CAS Registry Number: 3244-88-0

Use/Importance: Biological stain, indicator (pH range 12-14; colour change red → colourless)

Physical Description: Olive to dark olive green powder

Solubility: Sol. H₂O; sl. sol. EtOH

Aldrich: 33270-4

Fluka: 84600

Sigma: F8129

>>Derivative: Ca salt

CAS Registry Number: 123334-10-1

Use/Importance: Biological stain

Aldrich: 85740-8

Fluka: 84602

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, 2, 964C, (ir)

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Colour Index, 3rd Edn, 1971, 4, 4399, (synth)

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Sigma-Aldrich Library of Chemical Safety Data, 1988, 1, 53A

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1330