

Methylene blue

Other names:

3,7-bis(dimethylamino)phenothiazin-5-ium chloride
5-phenothiazinium, 3,7-bis(dimethylamino)- chloride
C.I. 52015
methylthioninium chloride

Inchi:

InChI=1S/C16H18N3S.ClH/c1-18(2)11-5-7-13-15(9-11)20-16-10-12(19(3)4)6-8-14(16)17

InchiKey:

CXKWCBBOMKCUKX-UHFFFAOYSA-M

Formula:

C16H18ClN3S

SMILES:

CN(C)c1ccc2nc3ccc(N(C)C)cc3[s+](c2c1).[Cl-]

Mol. weight [g/mol]:

319.85

CAS:

61-73-4

Sources

Experimental solubility and
thermodynamic aspects of methylene
blue in different solvents:

<https://www.doi.org/10.1016/j.tca.2019.03.024>

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C61734&Units=SI>

Latest version available from:

<https://www.cheméo.com/cid/65-129-7/Methylene-blue.pdf>

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