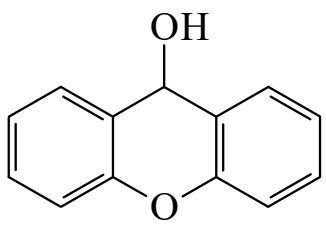
>>**Entry Name: 9*H*-Xanthen-9-ol,** 10Cl
Synonym(s): 9-Hydroxyxanthene. Xanthydrol. Xanthenol



CAS Registry Number: 90-46-0

Molecular Formula: $C_{13}H_{10}O_2$
Molecular Weight: 198.221
Accurate Mass: 198.06808
Percentage Composition: C 78.77%; H 5.08%; O 16.14%
Use/Importance: Used for characterization of urea and other primary amides
Physical Description: Needles (EtOH aq.)
Melting Point: Mp 123°
pKa Value: pK_a –0.34 (15°, H_2SO_4 aq.)
Other Data: Conc. H_2SO_4 → yellow soln. with green fluor.

Aldrich: 25257-3
Fluka: 95580
Rare Chemicals Library: S60043-1

>>**Derivative:** 4-Methylbenzenesulfonyl

Physical Description: Cryst. (AcOH)
Melting Point: Mp 206-208°

References:

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Phillips, R.F. *et al.*, *J.A.C.S.*, 1943, **65**, 1355, *(use)*
Goldberg, A.A. *et al.*, *J.C.S.*, 1957, 4823, *(synth)*
Capuano, L. *et al.*, *Chem. Ber.*, 1970, **103**, 3459, *(derivs)*
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