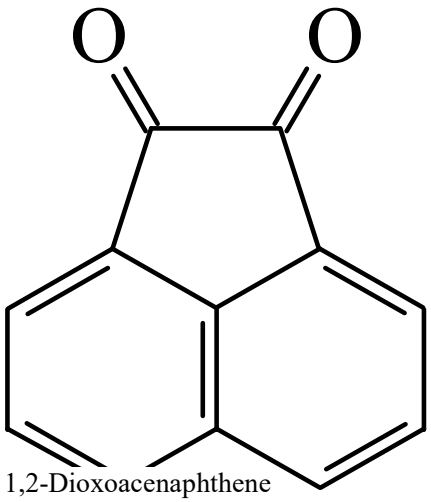
>>**Acenaphthenequinone**



1,2-Acenaphthylenedione, 9CI. 1,2-Dioxoacenaphthene
FPS89-U
[82-86-0]
$C_{12}H_6O_2$ M 182.178. 182.03678. C 79.12%; H 3.32%; O 17.56%
Has bactericidal and fungicidal props.. Yellow needles (AcOH). Mp 243-245°. Mp 261°.
♦AB1024500.
Supplier: Aldrich:A20-1. Fluka:40

>>*Monohydrazone*: FPS90-O Yellow prisms. Mp 241°
>>*Monophenylhydrazone*: FPS91-P Orange needles (EtOH). Mp 179°
>>*Bisphenylhydrazone*: FPS92-Q Yellow needles (AcOH). Mp 219°
>>*Monothiosemicarbazone*: 2-(2-Oxo-1(2*H*)-acenaphthylenylidene)hydrazinecarbothioamide, 9CI. KSS23-U [95264-76-9] Classification:PM7120 PS8300 PA3350. $C_{13}H_9N_3OS$ M 255.3. 255.046632. C 61.16%; H 3.55%; N 16.46%; O 6.27%; S 12.56%. Used as 3m*M* soln. in DMF for photometric detn. of Ru (λ_{max} 655 nm, ε 9800) and Pt (λ_{max} 515 nm, ε 12000), Os (λ_{max} 525 nm, ε 15000) and Ir (λ_{max} 520 nm, ε 4900). Cryst. (EtOH). Sol. DMF, EtOH
>>*Monoxime*: KSS24-V [33489-49-5] Classification:PA3350 PM6860 PS8300. $C_{12}H_7NO_2$ M 197.193. 197.047679. C 73.09%; H 3.58%; N 7.10%; O 16.23%. Used as 0.1*M* soln. in EtOH for photometric detn. of Ru, Pt, Os, Rh. Prisms (EtOH), yellow cryst. (AcOH). Sol. EtOH, AcOH; spar. sol. H_2O. Mp 230 dec.° (prisms), Mp 207° dec. (cryst.)
>>*Dioxime*: KSS25-W [1932-08-7] Classification:PA2400 PM6850 PS8300 PA1450 PA1400 PS7700. $C_{12}H_8N_2O_2$ M 212.207. 212.058578. C 67.92%; H 3.80%; N 13.20%; O 15.08%. Used as 1m*M* EtOH soln. for extraction-photometric detn. of Co (λ_{max} 370 nm, ε 12800, $CHCl_3$), Ni, Cu. Cryst.. Sol. EtOH, DMF, dioxan; insol. H_2O, C_6H_6. Mp 221-222°