>>**Entry Name: Pyridinium dichromate**
Synonym(s): Pyridine compd. with chromic acid ($H_2Cr_2O_7$) (2:1), 9Cl. PDC

CAS Registry Number: 20039-37-6
$[C_5H_6N^{(+)}]_2Cr_2O_7^{2(-)}$

Molecular Formula: $C_{10}H_{12}Cr_2N_2O_7$
Molecular Weight: 376.206
Accurate Mass: 375.945471
Percentage Composition: C 31.93%; H 3.21%; Cr 27.64%; N 7.45%; O 29.77%
Use/Importance: Oxidising agent for alcohols, etc.
Physical Description: Bright orange solid
Melting Point: Mp 144-146°
Solubility: Sol. H_2O, DMF, DMSO; spar. sol. CH_2Cl_2, Me_2CO; insol. Et_2O, toluene
Hazard & Toxicity: There has been a report of an explosion during its synthesis

Aldrich: 21469-8
Fluka: 82810
Sigma: P3521

References:

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Salmon, J.*, Chem. Ind. (London)*, 1982, 616, *(haz)*
Gili, P.*, Rev. Chim. Miner.*, 1984, **21**, 171, *(synth, ir, pmr, uv, cryst struct)*
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