>>**Entry Name: Potassium dihydrogen arsenate**
Synonym(s): Monopotassium arsenate. Macquer's salt

CAS Registry Number: 7784-41-0
KH_2AsO_4

Molecular Formula: AsH_2KO_4
Molecular Weight: 180.033
Accurate Mass: 179.880611
Percentage Composition: As 41.62%; H 1.12%; K 21.72%; O 35.55%

Source/Synthesis: Synth. from H_3AsO_4 + KOH
Physical Description: Cryst.
Melting Point: Mp 288°
Other Data: Ferroelectric with Curie point 91K

References:

Feher, F. *et al.*, *Z. Anorg. Chem.*, 1937, **232**, 169-178, *(synth, Raman)*
Helmholz, L. *et al.*, *J.A.C.S.*, 1942, **64**, 354-358, *(cryst struct)*
Busch, G., *Ferroelectrics*, 1987, **71**, 17-24, *(ferroelec)*