



>>Entry Name: Potassium titanium oxide (K₂TiO₃), 9CI

Synonym(s): Potassium titanate (K₂TiO₃), 10CI. Dipotassium titanate (K₂TiO₃). Potassium metatitanate

CAS Registry Number: 12030-97-6

K₂TiO₃

Molecular Formula: K₂O₃Ti

Molecular Weight: 174.075

Accurate Mass: 173.860106

Percentage Composition: K 44.92%; O 27.57%; Ti 27.51%

Source/Synthesis: Synth. from K₂CO₃ + TiO₂

Melting Point: Mp 820°

References:

Tournoux, M. *et al.*, *Bull. Soc. Chim. Fr.*, 1965, 2337-2338, (*synth, cryst struct*)

Kutolin, S.A. *et al.*, *Zh. Neorg. Khim.*, 1965, **10**, 140-144; *CA*, **62**, 8637g, (*synth*)

Easteal, A.J. *et al.*, *J. Inorg. Nucl. Chem.*, 1973, **35**, 3956-3959, (*cryst struct*)