



>>Entry Name: Dihexadecyl phosphate, 9CI

Synonym(s): Dihexadecyl hydrogen phosphate. Dicetyl phosphate. Dicetyl phosphoric acid. Dihexadecyl phosphoric acid

CAS Registry Number: 2197-63-9

$[\text{H}_3\text{C}(\text{CH}_2)_{15}\text{O}]_2\text{P}(\text{O})\text{OH}$

Molecular Formula: $\text{C}_{32}\text{H}_{67}\text{O}_4\text{P}$

Molecular Weight: 546.853

Accurate Mass: 546.477697

Percentage Composition: C 70.28%; H 12.35%; O 11.70%; P 5.66%

Physical Description: Cryst. (CH_2Cl_2)

Melting Point: Mp 74-75°

Aldrich: 27149-7

Fluka: 37170

Sigma: D2631

References:

Brown, D. *et al.*, *J.C.S.*, 1955, 1584, (*synth, cryst struct*)

Petrov, K.A. *et al.*, *Zh. Obshch. Khim.*, 1961, **31**, 1709; *J. Gen. Chem. USSR (Engl. Transl.)*, 1961, **31**, 1596, (*synth*)

Ramirez, F. *et al.*, *Phosphorus Sulfur Relat. Elem.*, 1978, **4**, 43, (*synth*)