



>>Entry Name: Dioctadecyl phosphate

Synonym(s): Distearyl phosphate. Dioctadecyl hydrogen phosphate. Dioctadecyl phosphoric acid

CAS Registry Number: 3037-89-6

Type of Compound Code(s): AC4040

$[\text{H}_3\text{C}(\text{CH}_2)_{17}\text{O}]_2\text{P}(\text{O})\text{OH}$

Molecular Formula: $\text{C}_{36}\text{H}_{75}\text{O}_4\text{P}$

Molecular Weight: 602.96

Accurate Mass: 602.540297

Percentage Composition: C 71.71%; H 12.54%; O 10.61%; P 5.14%

Use/Importance: Cryst. (MeOH)

Melting Point: Mp 82°

Rare Chemicals Library: S43905-3

Other: PB D48363

References:

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

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