



>>Entry Name: Acephate, ANSI, BSI, ESA, ISO, JMAF

Synonym(s): O,S-Dimethyl acetylphosphoramidothioate. Ortho 12420. Orthene. Pillarthene. Acetamidophos. Ortran. Asataf



CAS Registry Number: 30560-19-1

Related CAS Registry Numbers(s): 115182-37-1

Molecular Formula: C₄H₁₀NO₃PS

Molecular Weight: 183.168

Accurate Mass: 183.011901

Percentage Composition: C 26.23%; H 5.50%; N 7.65%; O 26.20%; P 16.91%; S 17.51%

Supelco: R60-0456

>>Variant: (R)-form

CAS Registry Number: 115182-36-0

Molecular Formula: C₄H₁₀NO₃PS

Molecular Weight: 183.168

Accurate Mass: 183.011901

Percentage Composition: C 26.23%; H 5.50%; N 7.65%; O 26.20%; P 16.91%; S 17.51%

Optical Rotation: [α]_D +64 (c, 0.1 in CHCl₃)

Other Data: Possesses much greater insecticidal activity towards houseflies than (S)-form