

Product Name : Piperonyl butoxide (b)
Synonyms : Piperonyl butoxide; NSC 8401; NSC-8401

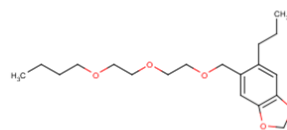
Cat No. : M17713

CAS Number : 51-03-6

Molecular Formula : C₁₉H₃₀O₅

Formula Weight : 338.44

Chemical Name : 1,3-Benzodioxole, 5-((2-(2-butoxyethoxy)ethoxy)methyl)-6-propyl-



Description : Piperonyl butoxide (PBO) is an organic compound used as a component of pesticide formulations. It is a waxy white solid. It is a synergist. That is, despite having no pesticidal activity of its own, it enhances the potency of certain pesticides such as carbamates, pyrethrins, pyrethroids, and rotenone. It is a semisynthetic derivative of safrole.

Pathway : Angiogenesis

Target : EGFR

Receptor : MFOs

Solubility : DMSO : 100 mg/mL. 295.47 mM; H₂O : < 0.1 mg/mL

SMILES : CCCCOCCOCCOCc1cc2c(OCO2)cc1CCC

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Casida, J. E. J Agric Food Chem. 1970 Sep-Oct;18(5):753-72.