

Product Information

Gefarnate, Purity $\geq 98\%$

Cat. No.: X24-09-YM1238

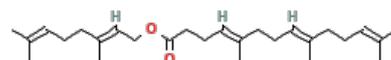
Size: 50 mg; 100 mg; 200 mg; 500 mg

CAS Number: 51-77-4

Compound CID: 5282182

Synonym: 51-77-4; Ester; Alsanate; Arsanyl; DA 688; Dixnalate; Gefanil;

[[*(2E)*-3,7-Dimethylocta-2,6-dienyl] (*(4E,8E)*-5,9,13-trimethyltetradeca-4,8,12-trienoate



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Gefarnate is a synthetic isoprenoid. The molecular weight of the compound is 400.6, and its molecular formula is C ₂₇ H ₄₄ O ₂ .
Molecular Weight	400.6
Molecular Formula	C ₂₇ H ₄₄ O ₂
IUPAC Name	[[<i>(2E)</i> -3,7-Dimethylocta-2,6-dienyl] (<i>(4E,8E)</i> -5,9,13-trimethyltetradeca-4,8,12-trienoate
InChI	InChI=1S/C27H44O2/c1-22(2)12-8-14-24(5)16-10-17-25(6)18-11-19-27(28)29-21-20-26(7)15-9-13-23(3)4/h12-13,16,18,20H,8-11,14-15,17,19,21H2,1-7H3/b24-16+,25-18+,26-20+
InChI Key	ZPACYDRSPFRDHO-ROBAGEODSA-N
Canonical SMILES	CC(=CCCC(=CCCC(=CCCC(=O)OCC=C(C)CCC=C(C)C)C)C)C
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Gefarnate can be used for its potential effects in cancer treatment by interfering with the growth of cancer cells, particularly those dependent on farnesylated proteins for proliferation.
Storage	Store at -20°C, and keep desiccated.