

Catalog No. 11216-050 5 mg

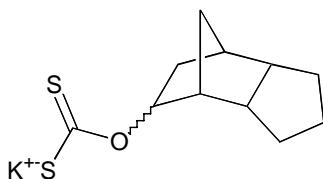
PRODUCT: D-609
Tricyclodecan-9-yl xanthate potassium Salt

CAS NO: 83373-60-8

CATALOG NO.: 11216-050

SIZE: 5 mg

STRUCTURE:



PHYSICAL APPEARANCE: Off-white solid

MOLECULAR FORMULA: C₁₁H₁₅OS₂K

MOLECULAR WEIGHT: 266.5

PURITY: 98% (TLC)

SOLUBILITY: Soluble in water (25 mg/ml)

STORAGE: Store, as supplied, at -20°C for up to 1 year.

APPLICATION NOTES: Make solutions fresh daily! Selective inhibitor of phosphatidylcholine-specific PLC(PC-PLC)¹(IC₅₀~94μM)². It has been employed to establish the functional coupling of PC-PLC with sphingomyelinase² and to establish the coupling of PC hydrolysis to the activation of Raf-1 protein kinase³. A recent report showed that D609 indirectly inhibits phorbol ester stimulated PLD activity.⁴ Possesses antitumor and antiviral activity.⁵ The product is not sterile.

REFERENCES:

1. K.Mueller-Decker *Biochem.Biophys.Res.Commun.* 1989 **162** 198
2. S.Schutze *et al. Cell* 1993 **71** 765
3. H.Cai *et al. Mol.Cell Biol.* 1993 **13** 7645
4. Z.Kiss and M.Tomono *Biochim.Biophys.Acta* 1995 **1259** 105
5. K.Mueller-Decker *Exp.Cell Res.* 1988 **177** 295

The pharmacological and toxicological properties of this product have not been fully investigated. Exercise caution in use and handling. This product must not be used in humans.