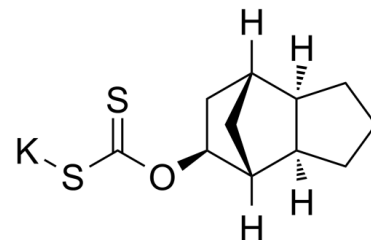


Data Sheet

Product Name:	SPK-601
Cat. No.:	CS-0333
CAS No.:	1096687-52-3
Molecular Formula:	C ₁₁ H ₁₅ KOS ₂
Molecular Weight:	266.46
Target:	Phospholipase; Reverse Transcriptase
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Solubility:	DMSO : 5 mg/mL (18.76 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

SPK-601 (LMV-601) is an inhibitor of the **phosphatidylcholine-specific phospholipase C (PC-PLC)**. SPK-601 also can be used as an antimicrobial agent^[1]. IC₅₀ & Target: PC-PLC^[1] **In Vitro:** SPK-601 (72 hours; HPV-31 cells) displays a dose dependent inhibitory effect on cell growth (IC₅₀ of 16 µg/mL), and inhibits HPV-31 specific RNA expression and DNA replication^[2].

References:

- [1]. Walker K. Interscience Conference on Antimicrobial Agents and Chemotherapy - 50th Annual Meeting - Research on Promising New Agents: Part 1. *IDrugs*. 2010 Nov;13(11):743-5.
- [2]. E. Amtmann, et al. Inhibition of high risk HPV-31 in human cervical epithelial cells in vitro by the PC-PLC inhibitor LMV-601. *ICID*, March 2010, 14: e465.

CAIndexNames:

Carbonodithioic acid, O-[(3aR,4R,5S,7R,7aR)-octahydro-4,7-methano-1H-inden-5-yl] ester, potassium salt (1:1), rel-(-)-

SMILES:

[H][C@]12[C@@]3([C@H](C[C@]([H])([C@@]1([H])CCC2)C3)OC(S[K])=S)[H]

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA