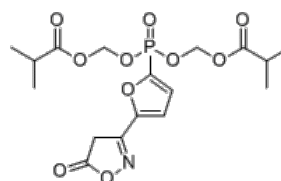


Product Name	: AMPK-Activator-13
Synonyms	: MDK 4624; AMPK α 1 activator C13; C13, Compound 13.
Cat No.	: M10984
CAS Number	: 1243184-62-4
Molecular Formula	: C ₁₇ H ₂₂ N ₁ O ₁₀ P
Formula Weight	: 431.33
Chemical Name	: (((5-(5-oxo-4,5-dihydroisoxazol-3-yl)furan-2-yl)phosphoryl)bis(oxy))bis(methylene) bis(2-methylpropanoate)
Description	: A potent, allosteric, α 1-selective small molecule activator of AMPK (EC ₅₀ =20 nM); inhibits de novo lipogenesis in cellular and animal models of hyperlipidemia; the cell-permeable prodrug of compound 2 (AMPK-Activator-2).
Pathway	: Membrane Transporter/Ion Channel
Target	: AMPK
Receptor	: AMPK
Solubility	: —
SMILES	: CC(C)C(OCOP(C1=CC=C(C(C2)=NOC2=O)O1)(OCOC(C(C)C)=O)=O)=O
Storage	: (-20°C)
Stability	: \geq 2 years
Reference	:



1. Hunter RW, et al. Chem Biol. 2014 Jul 17;21(7):866-79. | 2. Gómez-Galeno JE, et al. ACS Med Chem Lett. 2010 Aug 30;1(9):478-82.