



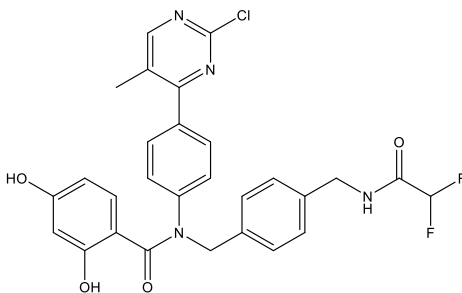
Catalog # 10-4224

VER-246608

CAS# 1684386-71-7

N-[4-(2-chloro-5-methylpyrimidin-4-yl)phenyl]-*N*-[[4-[(2,2-difluoroacetyl)amino]methyl]phenyl]methyl]-2,4-dihydroxybenzamide

Lot # FBS4063



VER-246608 is a potent (IC_{50} 's: PDK-1 = 35 nM, PDK-2 = 84 nM, PDK-3 = 40 nM, PDK-4 = 91 nM) and selective pan-pyruvate dehydrogenase kinase inhibitor.¹ It decreased oxygen consumption and attenuated glycolytic activity (Warburg metabolism) under D-glucose/L-glutamine-depleted conditions. VER-246608 treatment of four cancer lines (PC-3, SW-1088, UM-22B, and MEF) under depleted D-glucose/L-glutamine conditions resulted in almost complete inhibition of cell growth. It also acted synergistically with doxorubicin in PC-3 and ES-2 cells.

- 1) Moore *et al.* (2014), *VER-246608, a novel pan-isoform ATP competitive inhibitor of pyruvate dehydrogenase kinase, disrupts Warburg metabolism and induces context-dependent cytostasis in cancer cells*; *Oncotarget* **5** 12862

PHYSICAL DATA

Molecular Weight:	552.96
Molecular Formula:	C ₂₈ H ₂₃ ClF ₂ N ₄ O ₄
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/ml)
Physical Description:	White to off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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