Data Sheet (Cat.No.TP1948L)

TargetMol

PBP 10 acetate

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	PBP 10 acetate (794466-43-6 Free base) is a selective formyl peptide receptor 2 (FPR2) antagonist. PBP 10 acetate selectively inhibits FPR2-mediated NADPH oxidase activity but has no effect on FPR1 signaling in neutrophils. PBP 10 acetate exhibits PIP2-binding activity in vitro and blocks cell motility. PBP 10 acetate shows antiviral activity against influenza virus by inhibiting virus-induced ERK activation.
Targets(IC50)	ERK,NADPH-oxidase

Reference

Ewelina Piktel, et al. Inhibition of inflammatory response in human keratinocytes by magnetic nanoparticles functionalized with PBP10 peptide derived from the PIP2-binding site of human plasma gelsolin. J Nanobiotechnology. 2019 Feb 2;17(1):22.
C C Cunningham, et al.Cell permeant polyphosphoinositide-binding peptides that block cell motility and actin assembly. J Biol Chem

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