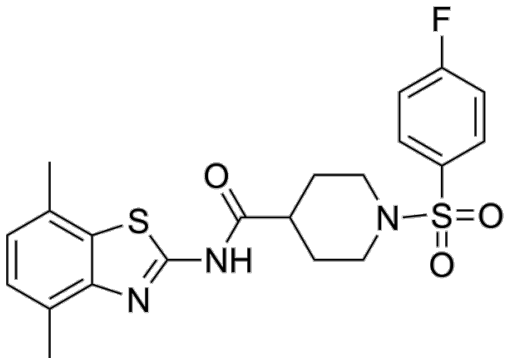
Product Data Sheet

Product Name: VU533
Cat. No.: GC71354

Chemical Properties

Cas. No.	923417-09-8		
Formula	$C_{21}H_{22}FN_3O_3S_2$	M.Wt	447.55
Solubility	DMSO : 125 mg/mL (279.30 mM; ultrasonic and warming and heat to 60°C; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)	Storage	-20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

VU533 (APE-PLD) activator is a potent NAPE-PLD activator with an EC50 value of 0.30 μM. NAPE-PLD activator (VU533) can enhance NAPE-PLD activity and increase efferocytosis by macrophages.

Caution: Product has not been fully validated for medical applications. For research use only.
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NAPE-PLD activator (VU533) can be used for cardiometabolic diseases research.

References:

[1]. Zarrow JE, et al. Small Molecule Activation of NAPE-PLD Enhances Efferocytosis by Macrophages. ACS Chem Biol. 2023 Aug 18;18(8):1891-1904.

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