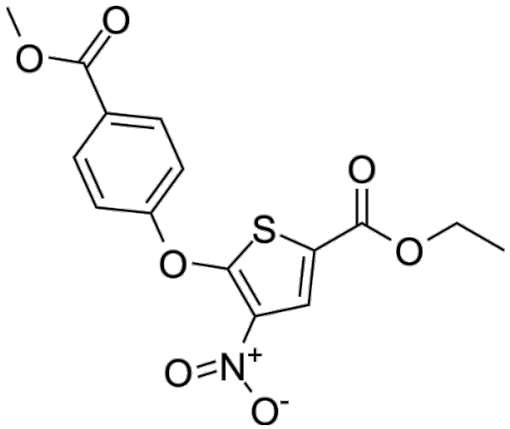
Product Data Sheet

Product Name: Wu-5
Cat. No.: GC73501

Chemical Properties

Cas. No.	2630378-05-9		
Formula	$C_{15}H_{13}NO_7S$	M.Wt	351.33
Solubility	DMSO : 25 mg/mL (71.16 mM; ultrasonic and warming and heat to 60°C)	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

Wu-5 is a USP10 inhibitor that can inhibit FLT3 and AMPK pathways, induce FLT3-ITD degradation and induce apoptosis.

Wu-5 (10 μM; 24, 48, 72 h) selectively induces the death of FLT3-ITD-positive AML cells[1].Wu-5 (1, 2.5, 5 μM; 24, 48 h) induces apoptosis of FLT3-ITD-positive AML cells in a concentration and time-dependent manner[1].Wu-5 (5 μM; 24 h) induces FLT3-ITD degradation by the proteasome

pathway[1].

References:

[1]. Miao Yu, et al. Wu-5, a novel USP10 inhibitor, enhances crenolanib-induced FLT3-ITD-positive AML cell death via inhibiting FLT3 and AMPK pathways. Acta Pharmacol Sin. 2021 Apr;42(4):604-612.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA