

Product Data Sheet

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

Chemical Properties

Cas. No. 2630378-05-9

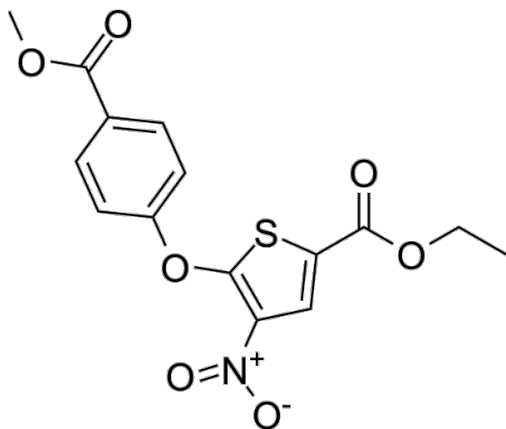
Formula $C_{15}H_{13}NO_7S$ M.Wt 351.33

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

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

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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.

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