Product Data Sheet

Product Name: Aderbasib
Cat. No.: GC63661

Chemical Properties

Cas. No.	791828-58-5		
Formula	$C_{21}H_{28}N_4O_5$	M.Wt	416.47
Solubility	DMSO : 100 mg/mL (240.11 mM; Need ultrasonic)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	Aderbasib		

Background

Aderbasib (INCB007839) is a potent, orally active and target specific low nanomolar hydroxamate-based inhibitor of ADAM10 and ADAM17. Aderbasib exhibits robust antineoplastic activity and can be used for cancer research, including diffuse large B-cell non-Hodgkin lymphoma, HER2+ breast cancer, gliomas, et al[1].

Aderbasib inhibits the metalloprotease activity through binding to the active site of the metalloproteinase domain. Aderbasib (10-100 μM) inhibits the interaction between ADAM17 and sE2-Fc, as the concentration of the compound increases, binding of sE2-Fc decreased accordingly, with almost no binding detected at 100 μM in trypsinized PK15 cells[2].Aderbasib (100-1000μM; pre-treated for 0.5 h) shows antiviral effect against CSFV pseudovirus at 100 μM and 1 mM in PK15 cells[2].

Aderbasib (intraperitoneal injection; 50 mg/kg; 5 days per week beginning four weeks; 2 weeks) blocks glioma growth of SU-pcGBM2 NSG mice xenografts[1].INCB7839 can be formulated in 2% DMSO, 2% Tween 80, 48% PEG300, 48% water as a injection solution. This is for literature reference only[1].

[1]. Lois Witters, et al. Synergistic inhibition with a dual epidermal growth factor receptor/HER-2/neu tyrosine kinase inhibitor and a disintegrin and metalloprotease

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

inhibitor. Cancer Res. 2008 Sep 1;68(17):7083-9.
[2]. Fei Yuan, et al. ADAM17 is an essential attachment factor for classical swine fever virus. PLoS Pathog. 2021 Mar 8;17(3):e1009393.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA