Product Data Sheet

Product Name: RU-505
Cat. No.: GC18483

Chemical Properties

Cas. No.	1314206-29-5		
Chemical Name	N-[2-(dimethylamino)ethyl]-2-(1,1-dimethylethyl)-7-(4-fluorophenyl)-N-(phenylmethyl)-pyrazolo[1,5-a]pyrimidine-5-carboxamide		
SMILES	CC(C)(C)C1=NN(C(C2=CC=C(F)C=C2)=CC(C(N(CCN(C)C)CC3=CC=CC=C3)=O)=N4)C4=C1		
Formula	$C_{28}H_{32}FN_5O$	M.Wt	473.6
Solubility	DMF: 30 mg/ml,DMSO: 30 mg/ml,DMSO:PBS (pH 7.2) (1:1): 0.5 mg/ml,Ethanol: 0.5 mg/ml	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	RU-505		

Background

RU-505 is an inhibitor of the interaction between amyloid-β (Aβ) and fibrinogen, with a higher efficacy for inhibiting monomeric forms of Aβ bound to fibrinogen over oligomeric forms. In vitro, RU-505 (20 uM) normalizes fibrin clot formation that is disrupted when fibrinogen is bound to Aβ42. RU-505 (35 mg/kg) decreases the incidence of vessel occlusion in the Tg6799 transgenic mouse model of Alzheimer’s disease. Chronic treatment with RU-505 (35 mg/kg, s.c., every other day for 3 months) decreases Aβ deposition in blood vessels and cortical fibrinogen infiltration and microgliosis in the brain of Tg6799 mice. In addition, it improves spatial memory in chronically treated Tg6799 mice compared with vehicle control mice.

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