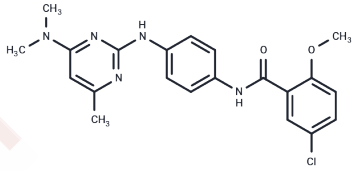
Data Sheet (Cat.No.T26265)

TargetMol

TG53

Chemical Properties



CAS No. : 946369-04-6

Formula: C21H22ClN5O2

Molecular Weight: 411.88

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	TG53 is a tissue transglutaminase (TG2) and fibronectin (FN) protein-protein interaction inhibitor.
Targets(IC50)	FAK,Others,Glutaminase,Integrin,Src

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4279 mL	12.1395 mL	24.2789 mL
5 mM	0.4856 mL	2.4279 mL	4.8558 mL
10 mM	0.2428 mL	1.2139 mL	2.4279 mL
50 mM	0.0486 mL	0.2428 mL	0.4856 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Yakubov B, Chen L, Belkin AM, Zhang S, Chelladurai B, Zhang ZY, Matei D. Small molecule inhibitors target the tissue transglutaminase and fibronectin interaction. PLoS One. 2014 Feb 20;9(2):e89285. doi: 10.1371/journal.pone.0089285. eCollection 2014. PubMed PMID: 24586660; PubMed Central PMCID: PMC3930694.

Herrera VL, Ponce LR, Ruiz-Opazo N. Genome-wide scan for interacting loci affecting human cholesteryl ester transfer protein-induced hypercholesterolemia in transgenic human cholesteryl ester transfer protein F2-intercross rats. J Hypertens. 2007 Aug;25(8):1608-12. PubMed PMID: 17620956.

Herrera VL, Shen L, Lopez LV, Didishvili T, Zhang YX, Ruiz-Opazo N. Chlamydia pneumoniae accelerates coronary artery disease progression in transgenic hyperlipidemia-genetic hypertension rat model. Mol Med. 2003 May-Aug; 9(5-8):135-42. PubMed PMID: 14571321; PubMed Central PMCID: PMC1430827.

Herrera VM, Didishvili T, Lopez LV, Zander K, Traverse S, Gantz D, Herscovitz H, Ruiz-Opazo N. Hypertension exacerbates coronary artery disease in transgenic hyperlipidemic Dahl salt-sensitive hypertensive rats. Mol Med. 2001 Dec;7(12):831-44. PubMed PMID: 11844871; PubMed Central PMCID: PMC1950013.