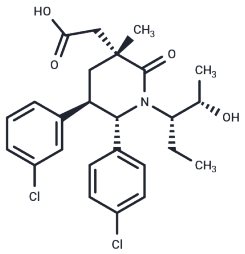
Data Sheet (Cat.No.T23713)

TargetMol

AM-8553

Chemical Properties



CAS No. : 1352064-70-0

Formula: C25H29Cl2NO4

Molecular Weight: 478.41

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	AM-8553 is potent and selective piperidine the MDM2-p53 interaction inhibitor.
Targets(IC50)	Others,MDM-2/p53

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0903 mL	10.4513 mL	20.9026 mL
5 mM	0.4181 mL	2.0903 mL	4.1805 mL
10 mM	0.209 mL	1.0451 mL	2.0903 mL
50 mM	0.0418 mL	0.209 mL	0.4181 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

Sun D, Li Z, Rew Y, Gribble M,et al. Discovery of AMG 232, a potent, selective, and orally bioavailable MDM2-p53 inhibitor in clinical development. J Med Chem. 2014 Feb 27;57(4):1454-72. doi: 10.1021/jm401753e. Epub 2014 Feb 5. PubMed PMID: 24456472.

Lucas BS, Fisher B, McGee LR, Olson SH, Medina JC, Cheung E. An expeditious synthesis of the MDM2-p53 inhibitor AM-8553. J Am Chem Soc. 2012 Aug 1;134(30):12855-60. doi: 10.1021/ja305123v. Epub 2012 Jul 16. PubMed PMID: 22734631.

Bernard D, Zhao Y, Wang S. AM-8553: a novel MDM2 inhibitor with a promising outlook for potential clinical development. J Med Chem. 2012 Jun 14;55(11):4934-5. doi: 10.1021/jm3007068. Epub 2012 May 24. PubMed PMID: 22624960.

Rew Y, Sun D, Gonzalez-Lopez De Turiso F, Bartberger MD, Beck HP, Canon J, Chen A, Chow D, Deignan J, Fox BM, Gustin D, Huang X, Jiang M, Jiao X, Jin L, Kayser F, Kopecky DJ, Li Y, Lo MC, Long AM, Michelsen K, Oliner JD, Osgood T, Ragains M, Saiki AY, Schneider S, Toteva M, Yakowec P, Yan X, Ye Q, Yu D, Zhao X, Zhou J, Medina JC, Olson SH. Structure-based design of novel inhibitors of the MDM2-p53 interaction. J Med Chem. 2012 Jun 14;55(11):4936-54. doi: 10.1021/jm300354j. Epub 2012 May 9. PubMed PMID: 22524527.