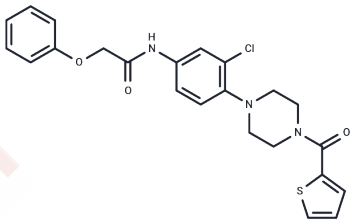
Data Sheet (Cat.No.T24928)

TargetMol

UPR-IN-17#

Chemical Properties



CAS No. : 709621-32-9

Formula: C23H22ClN3O3S

Molecular Weight: 455.96

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	UPR-IN-17# is an effective pan-inhibitor of the unfolded protein response.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1932 mL	10.9659 mL	21.9317 mL
5 mM	0.4386 mL	2.1932 mL	4.3863 mL
10 mM	0.2193 mL	1.0966 mL	2.1932 mL
50 mM	0.0439 mL	0.2193 mL	0.4386 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

Chen D, Dixon BJ, Doycheva DM, Li B, Zhang Y, Hu Q, He Y, Guo Z, Nowrangi D, Flores J, Filippov V, Zhang JH, Tang J. IRE1α inhibition decreased TXNIP/NLRP3 inflammasome activation through miR-17-5p after neonatal hypoxic-ischemic brain injury in rats. J Neuroinflammation. 2018 Feb 2;15(1):32. doi: 10.1186/s12974-018-1077-9. PubMed PMID: 29394934; PubMed Central PMCID: PMC5797348.

Lešnik S, Škrlj B, Eržen N, Bren U, Gobec S, Konc J, Janežič D. BoBER: web interface to the base of bioisosterically exchangeable replacements. J Cheminform. 2017 Dec 12;9(1):62. doi: 10.1186/s13321-017-0251-x. PubMed PMID: 29234984; PubMed Central PMCID: PMC5727005.

Tillotson J, Kedzior M, Guimarães L, Ross AB, Peters TL, Ambrose AJ, Schmidlin CJ, Zhang DD, Costa-Lotufo LV, Rodríguez AD, Schatz JH, Chapman E. ATP-competitive, marine derived natural products that target the DEAD box helicase, eIF4A. Bioorg Med Chem Lett. 2017 Sep 1;27(17):4082-4085. doi: 10.1016/j.bmcl.2017.07.045. Epub 2017 Jul 19. PubMed PMID: 28757063; PubMed Central PMCID: PMC5593424.

Graner AN, Hellwinkel JE, Lencioni AM, Madsen HJ, Harland TA, Marchando P, Nguyen GJ, Wang M, Russell LM, Bemis LT, Anchordoquy TJ, Graner MW. HSP90 inhibitors in the context of heat shock and the unfolded protein response: effects on a primary canine pulmonary adenocarcinoma cell line. Int J Hyperthermia. 2016 Dec 20:1-15. doi: 10.1080/02656736.2016.1256503. [Epub ahead of print] PubMed PMID: 27829290; PubMed Central PMCID: PMC5675827.