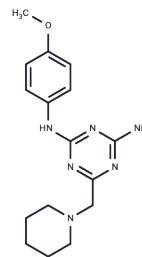


BRD32048

Chemical Properties

CAS No. : 433694-46-3
 Formula: C₁₆H₂₂N₆O
 Molecular Weight: 314.39
 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	BRD32048 is a top candidate ETV1 perturbagen. BRD32048 inhibits p300-dependent acetylation of ETV1, thereby promoting its degradation.
Targets(IC50)	DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 50 mg/mL (159.04 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1808 mL	15.9038 mL	31.8076 mL
5 mM	0.6362 mL	3.1808 mL	6.3615 mL
10 mM	0.3181 mL	1.5904 mL	3.1808 mL
50 mM	0.0636 mL	0.3181 mL	0.6362 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

Kollareddy M, Sherrard A, Park JH, Szemes M, Gallacher K, Melegh Z, Oltean S, Michaelis M, Cinatl J Jr, Kaidi A, Malik K. The small molecule inhibitor YK-4-279 disrupts mitotic progression of neuroblastoma cells, overcomes drug resistance and synergizes with inhibitors of mitosis. *Cancer Lett.* 2017 Sep 10;403:74-85. doi: 10.1016/j.canlet.2017.05.027. Epub 2017 Jun 7. PubMed PMID: 28602975; PubMed Central PMCID: PMC5542135.

Pop MS, Stransky N, Garvie CW, Theurillat JP, Hartman EC, Lewis TA, Zhong C, Culyba EK, Lin F, Daniels DS, Pagliarini R, Ronco L, Koehler AN, Garraway LA. A small molecule that binds and inhibits the ETV1 transcription factor oncoprotein. *Mol Cancer Ther.* 2014 Jun;13(6):1492-502. doi: 10.1158/1535-7163.MCT-13-0689. Epub 2014 Apr 15. PubMed PMID: 24737027; PubMed Central PMCID: PMC4154495.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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