

## Avadomide HCl

## Chemical Properties

CAS No. : 1398053-45-6

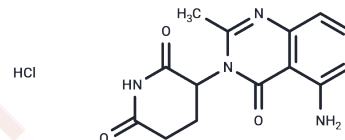
Formula: C<sub>14</sub>H<sub>15</sub>ClN<sub>4</sub>O<sub>3</sub>

Molecular Weight: 322.75

Keep away from direct sunlight

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	Avadomide is an orally available pleiotropic pathway modulator with potential antineoplastic activity. CC-122 mimics an interferon response and has antitumor activity in DLBCL. CC-122 binds Cereblon (CRBN) and promotes degradation of Ikaros and Aiolos in diffuse large B-cell lymphoma (DLBCL) and T cells in vitro, in vivo, and in patients, resulting in both cell autonomous as well as immunostimulatory effects.
Targets(IC50)	Apoptosis, Others, E1/E2/E3 Enzyme, NF-κB, Molecular Glues

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0984 mL	15.4919 mL	30.9837 mL
5 mM	0.6197 mL	3.0984 mL	6.1967 mL
10 mM	0.3098 mL	1.5492 mL	3.0984 mL
50 mM	0.062 mL	0.3098 mL	0.6197 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

Hagner PR, Man HW, Fontanillo C, Wang M, Couto S, Breider M, Bjorklund C, Havens CG, Lu G, Rychak E, Raymon H, Narla RK, Barnes L, Khambatta G, Chiu H, Kosek J, Kang J, Amantangelo MD, Waldman M, Lopez-Girona A, Cai T, Pourdehnad M, Trotter M, Daniel TO, Schafer PH, Klippel A, Thakurta A, Chopra R, Gandhi AK. CC-122, a pleiotropic pathway modifier, mimics an interferon response and has antitumor activity in DLBCL. *Blood*. 2015 Aug 6;126(6):779-89. doi: 10.1182/blood-2015-02-628669. Epub 2015 May 22. PubMed PMID: 26002965; PubMed Central PMCID: PMC4528065.

Li Y, Carayannopoulos LN, Thomas M, Palmisano M, Zhou S. Exposure-response analysis to assess the concentration-QTc relationship of CC-122. *Clin Pharmacol*. 2016 Sep 9;8:117-25. doi: 10.2147/CPAA.S111867. eCollection 2016. PubMed PMID: 27672344; PubMed Central PMCID: PMC5024774.

Krönke J, Fink EC, Hollenbach PW, MacBeth KJ, Hurst SN, Udeshi ND, Chamberlain PP, Mani DR, Man HW, Gandhi AK, Svinkina T, Schneider RK, McConkey M, Järås M, Griffiths E, Wetzler M, Bullinger L, Cathers BE, Carr SA, Chopra R, Ebert BL. Lenalidomide induces ubiquitination and degradation of CK1 $\alpha$  in del(5q) MDS. *Nature*. 2015 Jul 9;523(7559):183-188. doi: 10.1038/nature14610. Epub 2015 Jul 1. PubMed PMID: 26131937; PubMed Central PMCID: PMC4853910.

Cubillos-Zapata C, Cordoba R, Avendaño-Ortiz J, Arribas-Jiménez C, Hernández-Jiménez E, Toledano V, Villaescusa T, Moreno V, López-Collazo E. CC-122 immunomodulatory effects in refractory patients with diffuse large B-cell lymphoma. *Oncoimmunology*. 2016 Sep 16;5(12):e1231290. doi: 10.1080/2162402X.2016.1231290. eCollection 2016. PubMed PMID: 28255524; PubMed Central PMCID: PMC5325046.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481