

RAD-140-Q

## Chemical Properties

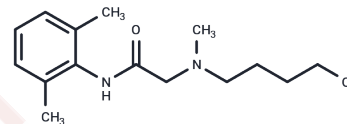
CAS No. : 36191-21-6

Formula: C<sub>15</sub>H<sub>23</sub>ClN<sub>2</sub>O

Molecular Weight: 282.81

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	RAD-140-Q (RAD-140) is a selective androgen receptor modulator that inhibits the Growth of Androgen/Estrogen Receptor-Positive Breast Cancer Models with a Distinct Mechanism of Action. RAD-140-Q is neuroprotective in cultured neurons and kainate-lesioned male rats.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5359 mL	17.6797 mL	35.3594 mL
5 mM	0.7072 mL	3.5359 mL	7.0719 mL
10 mM	0.3536 mL	1.768 mL	3.5359 mL
50 mM	0.0707 mL	0.3536 mL	0.7072 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

Yu Z, He S, Wang D, Patel HK, Miller CP, Brown JL, Hattersley G, Saeh JC. Selective Androgen Receptor Modulator RAD140 Inhibits the Growth of Androgen/Estrogen Receptor-Positive Breast Cancer Models with a Distinct Mechanism of Action. *Clin Cancer Res.* 2017 Dec 15;23(24):7608-7620. doi: 10.1158/1078-0432.CCR-17-0670. Epub 2017 Oct 3. PubMed PMID: 28974548.

Jayaraman A, Christensen A, Moser VA, Vest RS, Miller CP, Hattersley G, Pike CJ. Selective androgen receptor modulator RAD140 is neuroprotective in cultured neurons and kainate-lesioned male rats. *Endocrinology.* 2014 Apr;155(4):1398-406. doi: 10.1210/en.2013-1725. Epub 2014 Jan 15. PubMed PMID: 24428527; PubMed Central PMCID: PMC3959610.

Thevis M, Piper T, Beuck S, Geyer H, Schänzer W. Expanding sports drug testing assays: mass spectrometric characterization of the selective androgen receptor modulator drug candidates RAD140 and ACP-105. *Rapid Commun Mass Spectrom.* 2013 Jun 15;27(11):1173-82. doi: 10.1002/rcm.6558. PubMed PMID: 23650030.

Miller CP, Shomali M, Lyttle CR, O'Dea LS, Herendeen H, Gallacher K, Paquin D, Compton DR, Sahoo B, Kerrigan SA, Burge MS, Nickels M, Green JL, Katzenellenbogen JA, Tchesnokov A, Hattersley G. Design, Synthesis, and Preclinical Characterization of the Selective Androgen Receptor Modulator (SARM) RAD140. *ACS Med Chem Lett.* 2010 Dec 2;2(2):124-9. doi: 10.1021/ml1002508. eCollection 2011 Feb 10. PubMed PMID: 24900290; PubMed Central PMCID: PMC4018048.

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