

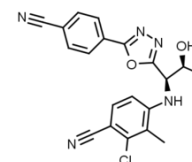


## RAD - 140 Datasheet

### Technical Data

Molecular Weight (MW)	528.662 g/mol	Solubility (25°C)	DMSO 78 mg/mL
Formula	C20H16ClN5O2		Water <1 mg/mL
CAS No.	1182367-47-0		Ethanol 78 mg/mL
Synonyms	2-chloro-4-((1R,2S)-1-(5-(4-cyanophenyl)-1,3,4-oxadiazol-2-yl)-2-hydroxypropylamino)-3-methylbenzonitrile	Storage	4 years -20°C Powder
			2 weeks 4°C in DMSO
			6 months -80°C in DMSO

MK677 Chemical Structure



### Return Policy

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We accept returns in most cases.

### Biological Activity

Description	RAD140 is an investigational selective androgen receptor modulator (SARM) for the treatment of conditions such as muscle wasting and breast cancer.					
Targets	Androgen Receptor					
IC50	3.8 nM (K <sub>i</sub> ) <sup>[1]</sup>					
In vitro	RAD140 is a potent AR agonist in breast cancer cells with a distinct mechanism of action, including the AR-mediated repression of ESR1. It inhibits the growth of multiple AR/ER+ breast cancer PDX models as a single agent, and in combination with palbociclib. The preclinical data presented here support further clinical investigation of RAD140 in AR/ER+ breast cancer patients.					
In vivo	Further data needed					
Clinical Trials	Phase 1 Clinical Trials					

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**Protocol** (Only for Reference) RAD140 shows promise in the treatment of Hormone Receptor Breast Cancer

### Kinase Assay:<sup>[1]</sup>

In vitro competitive radioligand binding assay	No data
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### Animal Study:<sup>[1]</sup>

Animal Models	Immature castrated male Sprague-Dawley rats
Formulation	Dissolved in DMSO, and diluted in saline
Doses	1 mg/day
Administration	Subcutaneous injection

### References

<https://www.cancer.gov/about-cancer/treatment/clinical-trials/search/v?id=NCI-2017-01503&r=1>

**PLEASE KEEP THE PRODUCT UNDER -20°C FOR LONG-TERM STORAGE.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE**

