

# Product data sheet



MedKoo Cat#: 407887 Name: LG190119 CAS: 233268-77-4 Chemical Formula: C <sub>32</sub> H <sub>44</sub> O <sub>4</sub> Exact Mass: 492.324 Molecular Weight: 492.7	
Product supplied as:	Powder
Purity (by HPLC):	≥ 98%
Shipping conditions	Ambient temperature
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

## 1. Product description:

LG190119 is a nonsteroidal vitamin D receptor modulator inhibits the growth of LNCaP xenograft tumors in athymic mice without increased serum calcium. LG190119 effectively inhibited LNCaP xenograft tumor growth without increased serum calcium levels or any other apparent side effects. Compounds of this class may represent promising new therapeutics for treatment of prostate cancer and other cancers with fewer undesirable side effects than currently used drugs.

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
TBD	TBD	TBD

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.03 mL	10.15 mL	20.30 mL
5 mM	0.41 mL	2.03 mL	4.06 mL
10 mM	0.20 mL	1.02 mL	2.03 mL
50 mM	0.04 mL	0.20 mL	0.41 mL

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

Polek TC, Murthy S, Blutt SE, Boehm MF, Zou A, Weigel NL, Allegretto EA. Novel nonsteroidal vitamin D receptor modulator inhibits the growth of LNCaP xenograft tumors in athymic mice without increased serum calcium. Prostate. 2001 Nov 1;49(3):224-33. doi: 10.1002/pros.1138. PMID: 11746268.

## 7. Bioactivity

Biological target:

LG190119 is a nonsteroidal vitamin D receptor modulator inhibits the growth of LNCaP xenograft tumors in athymic mice without increased serum calcium.

In vitro activity

TBD

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## In vivo activity

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In the established tumor study, LG190119 at each dose resulted in significant tumor growth inhibition without hypercalcemia at both 10 and 15 days. LG190119 effectively inhibited LNCaP xenograft tumor growth without increased serum calcium levels or any other apparent side effects.

Reference: Prostate. 2001 Nov 1;49(3):224-33. <https://pubmed.ncbi.nlm.nih.gov/11746268/>

*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*