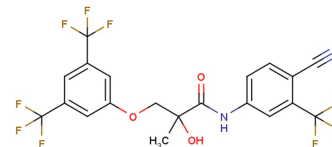


SK33

## Chemical Properties

CAS No.: 1928724-23-5  
 Formula: C<sub>20</sub>H<sub>13</sub>F<sub>9</sub>N<sub>2</sub>O<sub>3</sub>  
 Molecular Weight: 500.31  
 Appearance: N/A  
 Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	SK33 is a potent and tissue selective anti-androgen, and is a trifluoromethylated enobosarm analog, SK33 reduces androgen receptor (AR) transcriptional activity.
Targets(IC <sub>50</sub> )	Others: None
In vitro	SK33 has a significantly potent activity (IC <sub>50</sub> :0.2 μM) in LNCaP/AR+ cells. SK33 decreases cells entering S-phase in LNCaP cells. Treatment of LNCaP/BicR cells with increasing concentrations of SK33 for 96 hours results in a dose-dependent response and an inhibition of cell growth (IC <sub>50</sub> : 5 μM for SK33).
In vivo	AR transcriptional activity inhibited by SK33 (50 mg/kg; s.c.; 24 hours).

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.999 mL	9.994 mL	19.988 mL
5 mM	0.4 mL	1.999 mL	3.998 mL
10 mM	0.2 mL	0.999 mL	1.999 mL
50 mM	0.04 mL	0.2 mL	0.4 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

### Reference

1. Dart DA, et al. Novel Trifluoromethylated Enobosarm Analogues with Potent Antiandrogenic Activity In Vitro and Tissue Selectivity In Vivo. Mol Cancer Ther. 2018 Sep;17(9):1846-1858.

Inhibitors · Natural Compounds · Compound Libraries

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