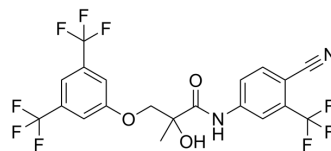


## SK33

|                           |  |
|---------------------------|--|
| <b>Cat. No.:</b>          | HY-135732  |
| <b>CAS No.:</b>           | 1928724-23-5   |
| <b>Molecular Formula:</b> | C <sub>20</sub> H <sub>13</sub> F <sub>9</sub> N <sub>2</sub> O <sub>3</sub>                   |
| <b>Molecular Weight:</b>  | 500.31   |
| <b>Target:</b>            | Androgen Receptor  |
| <b>Pathway:</b>           | Vitamin D Related/Nuclear Receptor   |
| <b>Storage:</b>           | 4°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### SOLVENT & SOLUBILITY

|   |  |                          |             |             |              |
|---|--|--------------------------|-------------|-------------|--------------|
| <b>In Vitro</b>   | DMSO : 100 mg/mL (199.88 mM; Need ultrasonic)  |                          |             |             |              |
|   |  | Solvent<br>Concentration | Mass        |             |              |
|   | <b>Preparing<br/>Stock Solutions</b>   |                          | <b>1 mg</b> | <b>5 mg</b> | <b>10 mg</b> |
|   |  | <b>1 mM</b>              | 1.9988 mL   | 9.9938 mL   | 19.9876 mL   |
|   |  | <b>5 mM</b>              | 0.3998 mL   | 1.9988 mL   | 3.9975 mL    |
| <b>10 mM</b>  | 0.1999 mL  | 0.9994 mL                | 1.9988 mL   |             |              |
| Please refer to the solubility information to select the appropriate solvent. |  |                          |             |             |              |
| <b>In Vivo</b>  | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline<br>Solubility: ≥ 2.5 mg/mL (5.00 mM); Clear solution |                          |             |             |              |
|   | 2. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 2.5 mg/mL (5.00 mM); Clear solution                            |                          |             |             |              |

### BIOLOGICAL ACTIVITY

|                    |   |                  |
|--------------------|---|------------------|
| <b>Description</b> | SK33, a trifluoromethylated enobosarm analog, is a potent, and tissue selective anti-androgen. SK33 reduces androgen receptor (AR) transcriptional activity <sup>[1]</sup> .  |                  |
| <b>In Vitro</b>    | In LNCaPAR+ cells, SK33, demonstrates a significantly potent activity with IC <sub>50</sub> =0.2 μM. 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, with IC <sub>50</sub> of approximately 5 μM for SK33 <sup>[1]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only.<br>Cell Viability Assay <sup>[1]</sup> |                  |
|                    | Cell Line:  | LNCaP/BicR cells |

|                |  |  |
|----------------|--|--|
|                | Concentration:   | 0.1-100 $\mu$ M  |
|                | Incubation Time:   | 96 hours   |
|                | Result:  | Results in a dose-dependent response and an inhibition of cell growth. |
| <b>In Vivo</b> | SK33 (50 mg/kg; s.c.; 24 hours) inhibits AR transcriptional activity <sup>[1]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |  |
|                | Animal Model:  | ARE-Luc mice <sup>[1]</sup>  |
|                | Dosage:  | 50 mg/kg   |
|                | Administration:  | Subcutaneously; 24 hours   |
|                | Result:  | Inhibited AR transcriptional activity.                                 |

## REFERENCES

[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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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