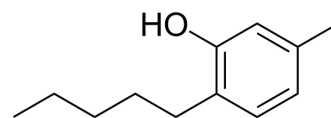


## Amylmetacresol

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-121527  |
| CAS No.:           | 1300-94-3  |
| Molecular Formula: | C <sub>12</sub> H <sub>18</sub> O  |
| Molecular Weight:  | 178.27   |
| Target:            | HIV  |
| Pathway:           | Anti-infection   |
| Storage:           | 4°C, stored under nitrogen<br>* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen) |



### SOLVENT & SOLUBILITY

|   |   |                          |              |            |            |
|---|---|--------------------------|--------------|------------|------------|
| In Vitro  | DMSO : 100 mg/mL (560.95 mM; Need ultrasonic)   |                          |              |            |            |
|   |   | Solvent<br>Concentration | Mass<br>1 mg | 5 mg       | 10 mg      |
|   | Preparing<br>Stock Solutions  | 1 mM                     | 5.6095 mL    | 28.0473 mL | 56.0947 mL |
|   |   | 5 mM                     | 1.1219 mL    | 5.6095 mL  | 11.2189 mL |
|   |   | 10 mM                    | 0.5609 mL    | 2.8047 mL  | 5.6095 mL  |
| Please refer to the solubility information to select the appropriate solvent. |   |                          |              |            |            |
| In Vivo   | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline<br>Solubility: ≥ 2.5 mg/mL (14.02 mM); Clear solution     |                          |              |            |            |
|   | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: 2.5 mg/mL (14.02 mM); Clear solution; Need ultrasonic |                          |              |            |            |
|   | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 2.5 mg/mL (14.02 mM); Clear solution                                |                          |              |            |            |

### BIOLOGICAL ACTIVITY

|             |  |
|-------------|--|
| Description | Amylmetacresol possesses antiviral (such HIV) effect. Amylmetacresol has the potential for the study in sore throat <sup>[1]</sup> . |
|-------------|--|

### REFERENCES

[1]. Martina Morokutti-Kurz, et al. Amylmetacresol/2,4-dichlorobenzyl alcohol, hexylresorcinol, or carrageenan lozenges as active treatments for sore throat. Int J Gen Med. 2017 Feb 28;10:53-60.

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

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