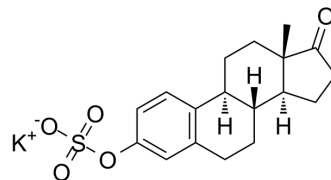


## Estrone sulfate potassium

<b>Cat. No.:</b>	HY-113293A
<b>CAS No.:</b>	1240-04-6
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>21</sub> KO <sub>5</sub> S
<b>Molecular Weight:</b>	388.52
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (257.39 mM; Need ultrasonic)																									
	H <sub>2</sub> O : < 0.1 mg/mL (insoluble)																									
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Preparing Stock Solutions</td> <td>1 mM</td> <td>2.5739 mL</td> <td>12.8694 mL</td> <td>25.7387 mL</td> </tr> <tr> <td>5 mM</td> <td>0.5148 mL</td> <td>2.5739 mL</td> <td>5.1477 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2574 mL</td> <td>1.2869 mL</td> <td>2.5739 mL</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	2.5739 mL	12.8694 mL	25.7387 mL	5 mM	0.5148 mL	2.5739 mL	5.1477 mL	10 mM	0.2574 mL	1.2869 mL	2.5739 mL				
	Solvent			Mass	Concentration																					
		1 mg	5 mg		10 mg																					
Preparing Stock Solutions	1 mM	2.5739 mL	12.8694 mL	25.7387 mL																						
	5 mM	0.5148 mL	2.5739 mL	5.1477 mL																						
	10 mM	0.2574 mL	1.2869 mL	2.5739 mL																						
Please refer to the solubility information to select the appropriate solvent.																										
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (6.43 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.43 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (6.43 mM); Clear solution</li> </ol>																									

### BIOLOGICAL ACTIVITY

<b>Description</b>	Estrone sulfate potassium is a natural endogenous steroid and is an estrogen ester and conjugate <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Human Endogenous Metabolite

### REFERENCES

---

[1]. O'Neil MM, et al. Differential Regulation of Gonadotropins in Response to Continuous Infusion of Native Gonadotropin-Releasing Hormone in the Winter Anovulatory Mare and Effects of Treatment With Estradiol-17 $\beta$ . J Equine Vet Sci. 2019 Apr;75:93-103.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA