

## Cimidahurinine Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** Cimidahurinine

**Catalog No.:** CFN99465

**Cas No.:** 142542-89-0

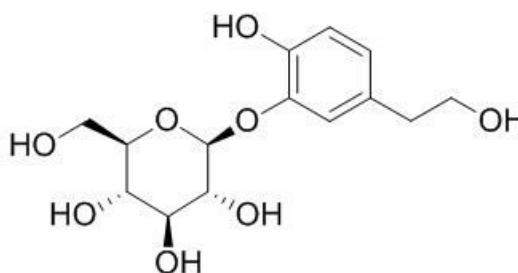
**Purity:** > 95%

**M.F:** C<sub>14</sub>H<sub>20</sub>O<sub>8</sub>

**M.W:** 316.30

**Physical Description:** Oil

**Synonyms:** 2-Hydroxy-5-(2-hydroxyethyl)phenyl β-D-glucopyranoside.



### [ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

### [ Source ]

The roots of *Cimicifuga foetida*.

### [ Biological Activity or Inhibitors ]

Cimidahurinine can attenuate Doxorubicin (DOX)-induced cardiotoxicity in a

dose-dependent manner with EC<sub>50</sub> values of 45.79 uM; it protects against cardiotoxicity by decreasing reactive oxygen species (ROS) accumulation and downregulating apoptosis-related Bax/Bcl-2 proteins.<sup>[1]</sup>

### **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

### **[ HPLC Method ]**

Not data available.

### **[ Storage ]**

2-8℃, Protected from air and light, refrigerate or freeze.

### **[ References ]**

[1] Chen Y, Sun L, Wang Y, *et al. Rsc Adv.*, 2015, 5(129):106431-8.

### **[ Contact ]**

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