

## Product Information

### Compound Name

Piperacillin EP Impurity K

### Synonyms

2-(((E)-(2-((R)-(4-ethyl-2,3-dioxopiperazine-1-carboxamido)(phenyl)methyl)-5-oxoxazol-4(5H)-ylidene)methyl)amino)-3-mercapto-3-methylbutanoic acid

### Chemical Formula

C<sub>23</sub>H<sub>27</sub>N<sub>5</sub>O<sub>7</sub>S

### Molecular Weight

517.55

### Catalogue Number

P0051.42

### Lot No.

YMP-422-31

### Long-Term Storage Conditions

-20°C, In vacuo

### Shipping Conditions

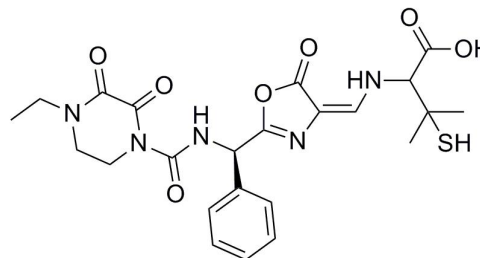
Ice Pack

### Appearance

White Solid

**Test Date:** May. 30, 2022

**Re-test Date:** May. 29, 2025



CAS No. : N/A

## Analytical Information

### Solubility

CH<sub>3</sub>CN

### Weight Loss by TGA

2.84%

### Method for Determining Identity

MS, <sup>1</sup>H NMR (DMSO-d<sub>6</sub>), <sup>13</sup>C NMR (DMSO-d<sub>6</sub>), IR, TGA

### Purity (HPLC)

97.54%

### Potency

94.76%

QA Manager

Laboratory Director

Tel: +1 (510) 225-4077  
Fax: +1 (510) 373-2446

<http://www.aozeal.com>  
E-mail: [info@aozeal.com](mailto:info@aozeal.com)