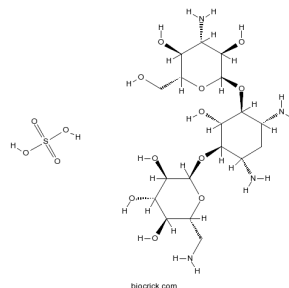


## PHYSICAL AND CHEMICAL PROPERTIES

|                              |  |
|------------------------------|--|
| <b>Product Name:</b>         | Kanamycin Sulfate  |
| <b>Catalog Number:</b>       | BCC1205  |
| <b>Cas No.:</b>              | 25389-94-0   |
| <b>Formula:</b>              | C <sub>18</sub> H <sub>38</sub> N <sub>4</sub> O <sub>15</sub> S   |
| <b>M.Wt:</b>                 | 582.58   |
| <b>Purity:</b>               | >98%   |
| <b>Physical Description:</b> | N/A  |
| <b>Synonyms:</b>             | Kanamycin A monosulfate  |
| <b>Chemical Name:</b>        | (2R,3S,4S,5R,6R)-2-(aminomethyl)-6-[(1R,2R,3S,4R,6S)-4,6-diamino-3-[(2S,3R,4S,5S,6R)-4-amino-3,5-dihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-2-hydroxycyclohexyl]oxyoxane-3,4,5-triol;sulfuric acid |
| <b>SMILES:</b>               | <chem>C1C(C(C(C(C1N)OC2C(C(C(C(O2)CN)O)O)O)OC3C(C(C(C(O3)CO)O)N)O)N.OS(=O)(=O)O</chem>   |
| <b>Solubility:</b>           | H <sub>2</sub> O : 100 mg/mL (171.65 mM; Need ultrasonic)<br>DMSO : < 1 mg/mL (insoluble or slightly soluble)  |



## STORAGE AND SHIPPING

|                            |   |
|----------------------------|---|
| <b>Storage:</b>            | Store the product in sealed, cool and dry condition.  |
| <b>General tips:</b>       | For obtaining a higher solubility, please warm the tube at 37° and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20° for several months. |
| <b>Shipping Condition:</b> | Ship with RT , or blue ice upon request   |

## INTENDED USE

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

## CAUTION!

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most BioCrick products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure*

*that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

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