



## Technical Data Sheet

**Product Name:** 2-Phenylbenzimidazole-5-sulfonic acid

**CAS:**27503-81-7

**Molecular Formula:**C<sub>13</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub>S

**Molecular Weight:**274.3

**Appearance:**white crystalline powder

### Technical Indicators:

ITEM	STANDARD
Appearance	white crystalline powder
Fusing point	>300 °C (lit.)
Density	1.3592 (rough estimate)
Storage condition	2-8°C

### Application:

1. It is a highly efficient ultraviolet absorber, which can absorb 260-340 nm ultraviolet light, especially the UVB band, but also absorb part of the UVA band, which can effectively block the damage of ultraviolet light to the skin, prevent skin sunburn, tanning, light aging, etc., often added to sunscreen, moisturizing sunscreen water and other products.
2. It can be used as an ultraviolet absorber of water-based coatings, which can absorb ultraviolet rays, reduce the damaging effect of ultraviolet rays on the coatings, improve the weatherability and service life of the coatings, prevent the problems of fading, powdering, cracking, etc., so that the coatings can better maintain the performance and appearance in the outdoor environment.
3. It is used to manufacture outdoor overhead cable materials with weather resistance and oxidation resistance, which can absorb ultraviolet rays, reduce the aging effect of ultraviolet rays on cable materials, and improve the service life and performance of cables.

**Packaging:**25KG/DRUM