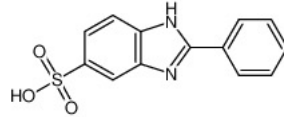


## ENSULIZOLEL

**Product Name:** Phenylbenzimidazole Sulfonic Acid  
**Product Code:** MFSORB 510  
**Production Site:** MFCI Co.,Ltd.

### Properties

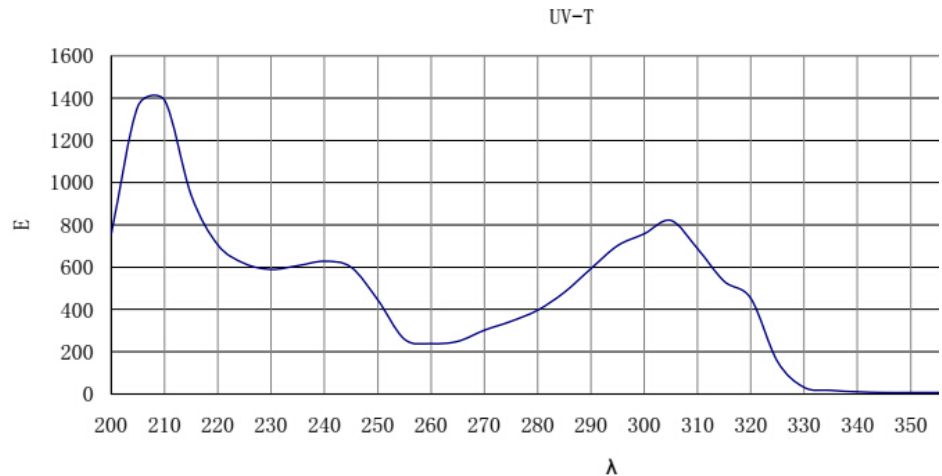
Structure:



**Chemical Name:** 2-Phenylbenzimidazole-5-sulfonic acid  
**INCI Name:** PHENYLBENZIMIDAZOLE SULFONIC ACID  
**Other names:** Ensulizolel, PBSA, UV-T  
**CAS No.:** 27503-81-7  
**EINECS No.:** 248-502-0  
**Chemical Formula:** C<sub>13</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub>S  
**Molecular Weight:** 274.30

### UV Characteristics

UV Characteristics:



### Physical Property

**Appearance:** White crystalline powder  
**Odour:** Characteristic, conforms to standard  
**Identification:** (USP) **A.** Infrared Absorption 197K  
**B.** Ultraviolet Absorption 197U  
**Specific Absorption:** 920~990  
(1%, 1cm at 302nm)

Assay (Titration): (USP) 98.0%~102.0%  
Loss on Drying: (USP) 2.0% max

**Application** Sunscreens, Personal Care products, Sun care, Baby Sun care, Daily Skin care, Decorative cosmetic with sun protection, Broad spectrum UV-B filter.

**Packaging** 20kgs/carton

**Storage** Must be stored in closed containers in dry cool conditions. The shelf life of PBSA is two years in original, unopened containers.

**HS Code** 2933990099

**NOTE** The data submitted in this publication are based on our current knowledge and experience. They do not constitute a guarantee in the legal sense of the term and, in view of the manifold factors that may affect processing and application, do not relieve those to whom we supply our products from the responsibility of carrying out their own tests and experiments. Any relevant patent rights and existing legislation and regulations must be observed.