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## Product Datasheet

### **Probucol, CAS [[23288-49-5]] FBM-10-2679**

|                            |   |
|----------------------------|---|
| Article Name               | Probucol, CAS [[23288-49-5]]              |
| Biozol Catalog Number      | FBM-10-2679                               |
| Supplier Catalog Number    | 10-2679                                   |
| Alternative Catalog Number | FBM-10-2679-1G,FBM-10-2679-10G            |
| Manufacturer               | Focus Biomolecules                        |
| Category                   | Biochemikalien                            |
| Product Description        | Antioxidant hypercholesterolemic agent... |
| Molecular Weight           | 516.84                                    |
| Purity                     | 98% by HPLC / TLC NMR (Conforms)          |
| Form                       | Off-white solid                           |
| CAS Number                 | [23288-49-5]                              |
| Formula                    | C31H48O2S2                                |

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|-------------------|--|
| Application Notes | <p>Probucol (23288-49-5) is a unique antilipidemic drug which inhibits the oxidation of LDL cholesterol preventing the genesis of macrophage-derived foam cells and thus suppressing the formation of atherosclerotic vascular lesions.<sup>1</sup> It inhibits ABCA1-mediated cholesterol efflux without influencing scavenger receptor (class B type 1)-mediated efflux.<sup>2</sup> It enhances mitophagy and improves survival, locomotor function and dopaminergic neuron loss in zebrafish and fly models of mitochondrial damage.<sup>3</sup> It attenuates NF-<math>\kappa</math>B/NLRP3 signaling and augments Nrf-2-mediated antioxidant defense in nerve injury models.<sup>4</sup> Improves learning and memory in aging mice.<sup>5</sup> It protects neuronal cells against peroxide-induced damage and directly activates glutathione peroxidase-1.<sup>6</sup></p> |
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