**Product Name**: Picropodophyllotoxin  
**Catalog Number**: T3S0027  
**CAS Number**: 17434-18-3  
**Molecular Formula**: C22H22O8  
**Molecular Weight**: 414.41

**Description**: Picropodophyllin is a cyclolignan alkaloid found in the mayapple plant family (Podophyllum peltatum), and a small molecule inhibitor of the insulin-like growth factor 1 receptor (IGF1R) with potential antineoplastic activity. Picropodophyllin specifically inhibits the activity and downregulates the cellular expression of IGF1R without interfering with activities of other growth factor receptors, such as receptors for insulin, epidermal growth factor, platelet-derived growth factor, fibroblast growth factor and mast/stem cell growth factor (KIT). This agent shows potent activity in the suppression of tumor cell proliferation and the induction of tumor cell apoptosis. IGF1R, a receptor tyrosine kinase overexpressed in a variety of human cancers, plays a critical role in the growth and survival of many types of cancer cells.  

**Storage**: 2 years -80°C in solvent; 3 years -20°C powder;  

**Solubility**

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Concentration</th>
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<tbody>
<tr>
<td>DMSO</td>
<td>10 mM</td>
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(< 1 mg/ml refers to the product slightly soluble or insoluble)

**Receptor (IC50)**

Reference


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Information for product storage and handling is indicated on the product datasheet. Targetmol products are stable for long term under the recommended storage conditions. Our products may be shipped under different conditions as many of them are stable in the short-term at higher or even room temperatures. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, please follow the storage recommendations on the product data sheet.