

**Product Name:** Triacetylphloroglucinol

**Product Number:** T100

**CAS Number:** 2161-87-7

**Molecular Formula:**  $C_{12}H_{12}O_6$

**Molecular Weight:** 252.2

**Appearance:** White solid

**Storage Conditions:** -20°C

**Description:** Triacetylphloroglucinol (TAPG) is the most hydrophobic of a small molecular weight phenolic metabolite belonging to the phloroglucinol (1,3,5 trihydroxybenzene) family, produced by bacteria including *Pseudomonas* strains. TAPG exhibits a broad range of biological activities, albeit with mostly low potency. In the search for novel actives, TAPG and related metabolites are important for dereplication to eliminate leads due to high amounts of weakly potent actives. Although weakly active, this family appears to be important in the biocontrol of plant diseases by some *Pseudomonas* strains.

Triacetylphloroglucinol is soluble in ethanol, methanol, DMF and DMSO.

**References:** C-acetylphloroglucinols from *Pseudomonas fluorescens*. Broadbent D. *Phytochemistry* 1976, 15, 1785.