

**DATA SHEET**

**Product Name:** Prostratin

**Catalog #:** N-3011

**Alt:** 12-Deoxyphorbol 13-Acetate; dPac; 13-O-acetyl-12-deoxyphorbol

**Molecular Mass:** 390.5 C<sub>22</sub>H<sub>30</sub>O<sub>6</sub>

**Analysis:** >99% (HPLC); NMR (Conforms)

**Supplied As:** Off-white powder or lyophilized

**Resuspension:** May be dissolved in DMSO (30 mg/ml)

**Storage:** Store desiccated as supplied at -20°C for up to 2 years. Store solutions at -20°C for up to 1 month.

**Description:** A terpenoid, non-tumorigenic PKC activator isolated from *Pimelia prostrata*. Induces differentiation of human myeloid leukemia cells and potentiates differentiation by chemotherapeutic agents<sup>3</sup>. Induces reactivation of latent HIV<sup>4</sup>. Exerts a proliferative effect on neural progenitor cells *in vitro* and *in vivo*<sup>5</sup>.

**References:**

1. Cashmore, A.R., et al., (1976) Tetrahedron Lett., *20*: 1737
2. Miana, G.A., et al., (2015) Mini Rev. Med. Chem., *15*: 1122
3. Shen, X., et al., (2015) Cancer Lett., *356(2 Pt B)*: 686
4. Biancotto, A., et al., (2004) J. Virol., *78*: 10507
5. Geribaldi-Doldan, A., et al., (2015) Int. J. Neuropsychopharmacol., *18*: pyv085

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