



## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Triptolide</b> [PG490] C <sub>20</sub> H <sub>24</sub> O <sub>6</sub> , M.W. 360.4, CAS# [38748-32-2]
<b>PRODUCT NUMBER:</b>	T-1030
<b>LOT NUMBER:</b>	B1178
<b>APPEARANCE:</b>	White powder
<b>SOLUBILITY:</b>	Soluble in DMSO (25 mg/ml), or 100% ethanol (1 mg/ml) (1 hr. at 37°C).
<b>PURITY (HPLC):</b>	99.8%
<b>HEAVY METALS (ICP):</b>	≤0.001ppm
<b>PRODUCT DESCRIPTION:</b>	Isolated from <i>Tripterygium wilfordii</i> . Immunosuppressive agent with anti-inflammatory and antitumor properties. More effective in preventing T cell proliferation interferon- $\gamma$ production than FK506. Induces apoptosis in T cells by activating DEVD cleaving caspases. Blocks TNF- $\alpha$ mediated induction of c-IAP1 and c-IAP2 and NF- $\kappa$ B activation.
<b>STORAGE &amp; HANDLING:</b>	Keep cool and dry at -20°C. Store solutions at -20°C for up to 3 months.

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: DH