



## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Tranilast</b> [N-(3',4'-Dimethoxycinnamoyl)anthranilic acid 3,4-DAA], C <sub>18</sub> H <sub>17</sub> NO <sub>5</sub> , M.W. 327.3, CAS# [53902-12-8]
<b>PRODUCT NUMBER:</b>	T-1048
<b>LOT NUMBER:</b>	B1801
<b>APPEARANCE:</b>	Off-white to yellow solid
<b>SOLUBILITY:</b>	Soluble in DMSO.
<b>PURITY (HPLC):</b>	≥95%
<b>DESCRIPTION:</b>	Anti-inflammatory and anti-angiogenic agent. Inhibits VEGF-induced angiogenesis <i>in vivo</i> . Inhibits proliferation and tube formation of human endothelial cells <i>in vitro</i> . Also inhibits smooth muscle cell proliferation and prevents post-angioplasty restenosis. Synthetic compound with structural similarity to the tryptophan (Trp) catabolites kynurenines. Tranilast ameliorates the disease severity in animal models of multiple sclerosis, in part, by inducing T cell tolerance. Trp degradation is an important mechanism in the maintenance of T cell tolerance in a variety of disease models and is mediated by the rate limiting enzyme indoleamine 2,3-dioxygenase (IDO).
<b>STORAGE &amp; HANDLING:</b>	Store at -20°C. <b>PROTECT FROM LIGHT!</b> <b><u>WARNING:</u> HARMFUL!</b>  CAUTION: For laboratory research & scientific manufacturing 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: DD