A potent immunoregulator that suppresses IgE production.\(^1\) Suppresses innate immunity by down-regulating TLR2, TLR4 and CD14 gene expression on splenocytes stimulated with LPS and TLR2/TLR4 agonists.\(^2\) Prevents bleomycin-induced pulmonary fibrosis in mouse models.\(^3\) Potent inhibitor of Th2 cells \textit{in vivo} and together with a Treg cell inhibitor promotes BCG vaccine efficacy against tuberculosis.\(^4\) Antiasthmatic agent effective for antileukotriene nonresponders.\(^5\) Orally active.

4) Bhattachrya \textit{et al}. (2014), \textit{Simultaneous inhibition of T helper 2 and T regulatory cell differentiation by small molecules enhances Bacillus Calmette-Guerin vaccine efficacy against tuberculosis}; J. Biol. Chem., 289 33404

**PHYSICAL DATA**

- **Molecular Weight:** 499.64
- **Molecular Formula:** C\textsubscript{16}H\textsubscript{26}N\textsubscript{4}O\textsubscript{4}S
- **Purity:** 98% by HPLC
- **NMR:** (Conforms)
- **Solubility:** DMSO (up to 50 mg/ml) or Water (up to 50 mg/ml)
- **Physical Description:** White solid
- **Storage and Stability:** Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or distilled water may be stored at -20°C for up to 3 months.