



Tranilast

CAS # 53902-12-8

EXIM-INDIS INC
EVOLVING CHEMISTRY

Product In Focus

Tranilast

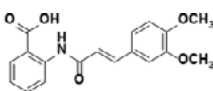
INTRODUCTION

Tranilast, a pharmacological agent acting as a mast cell stabilizer and anti-inflammatory drug. It inhibits the release of histamine and prostaglandins, inhibits TGF- β 2, and exhibits anti-angiogenic properties.

MANUFACTURE

Tranilast is synthesized by reacting 3,4-dimethoxycinnamic acid with methyl anthranilate. The process typically involves activating the cinnamic acid derivative with a reagent like benzenesulfonyl chloride in a solvent like pyridine, followed by condensation with methyl anthranilate to form the amide bond.

KEY DETAILS

CAS Number	53902-12-8
IUPAC Name	\(N\)-(3',4'-Dimethoxycinnamoyl) anthranilic acid
Molecular Formula	C ₁₈ H ₁₇ NO ₅
Molecular Weight	327.33 g/mol
Appearance	White to beige powder
Melting Point	166.2–168.2 °C
Solubility	Soluble in DMSO (>10 mg/mL); insoluble in water.
Storage	2–8 °C (Refrigerated)
Structure	

APPLICATION:

Pharmaceutical

- Used as an anti-allergic and anti-inflammatory active pharmaceutical ingredient (API)
- Applied in formulations for the treatment of allergic disorders and inflammatory conditions
- Used in therapies related to bronchial asthma, allergic rhinitis, and dermatitis
- Studied for antifibrotic activity in scar and tissue fibrosis management
- Investigated for potential anticancer & immunomodulatory applications
- Used in ophthalmic & oral pharmaceutical research formulations

Research / Biotechnology

- Widely used in inflammation and fibrosis-related research studies
- Studied for inhibition of cytokine release and mast cell stabilization
- Applied in cancer biology and tumor microenvironment research
- Used in studies involving collagen synthesis and tissue remodeling pathways
- Investigated in cardiovascular and renal fibrosis research

Cosmetic / Personal Care

- Studied in specialty dermal care formulations targeting skin irritation and redness
- Investigated for applications related to scar appearance and skin-calming formulations



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SPECIFICATIONS

Test	Specification
Description	Solid
Purity	98%

STORAGE & PRECAUTION

Store at ambient conditions

PACKING

Custom packing available upon request

GMP STATUS

Manufactured under cGMP or non GMP conditions based on customer specifications and intended application.

Exim-Indis offers Tranilast, on commercial scales and welcomes enquiries. No matter the quantity you need, our exceptional quality and service will make Exim-Indis your supplier of choice. If you need any additional information or SDS, please contact us.