

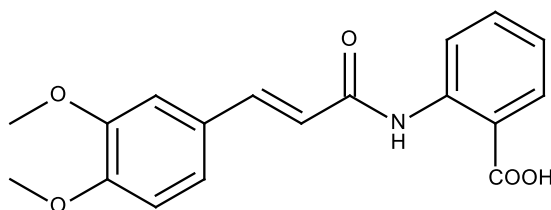
Catalog # 10-2234

Tranilast

CAS# 53902-12-8

N-(3',4'-Dimethoxycinnamoyl)anthranilic acid; Rizaben

Lot # X101170



Tranilast is an anti-allergy agent (inhibition of mast cell degranulation) that has been shown to have potent immunomodulatory effects (via inhibition of endotoxin induced: PGE₂, IC₅₀ = 1-20 μM; TXB₂, IC₅₀ = 10-50 μM; TGFβ1, IC₅₀ = 100-200 μM; IL-8, IC₅₀ = 100 μM) .^{1,2,3} Tranilast also displays anti-angiogenic properties.^{4,5}

- 1) Capper et al., (2000) *Modulation of human monocyte activities by tranilast, SB252218, a compound demonstrating efficacy in restenosis*; J.Pharmacol.Exp.Ther. **38** 2673
- 2) Ward et al., (2002) *Tranilast prevents activation of transforming growth factor-β system, leukocyte accumulation and neointimal growth in porcine coronary arteries after stenting* Arterioscler.Thromb.Vasc.Biol. **22** 940
- 3) Chikaraishi et al. (2001) *Tranilast inhibits interleukin-1β-induced monocyte chemoattractant protein-1 expression in rat mesangial cells*; Eur.J.Pharmacol. **427** 151
- 4) Isaji et al. (1997) *Tranilast inhibits the proliferation, chemotaxis and tube formation of human microvascular endothelial cells in vitro and angiogenesis in vivo* Br.J.Pharmacol. **122** 1061
- 5) Koyama et al. (1999) *Tranilast inhibits protein kinase C-dependent signaling pathway linked to angiogenic activities and gene expression of retinal microcapillary endothelial cells* Br.J.Pharmacol. **127** 537

PHYSICAL DATA

Molecular Weight:	327.33
Molecular Formula:	C ₁₈ H ₁₇ NO ₅
Purity:	>98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (at least 30 mg/ml)
Physical Description:	Pale yellow solid
Storage and Stability:	Store as supplied at room temperature for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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