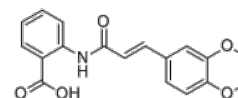


Product Name : Tranilast
Cat. No. : PC-70135
CAS No. : 53902-12-8
Molecular Formula : C₁₈H₁₇NO₅
Molecular Weight : 327.33
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

Tranilast (MK-341) is a compound that exhibits anti-inflammatory and immunomodulatory effects by inhibiting lipid mediator and cytokine release from inflammatory cells and interfering with PDGF- and TGF-β1-induced proliferation and migration of vascular medial smooth muscle cells.

Tranilast (MK-341) is an inhibitor of calcium-permeable **TRPV2** channel, inhibits insulin increased calcium entry in beta-cells.

Tranilast inhibits endotoxin-induced PGE2 (IC₅₀=1-20 μM), thromboxane B2 (IC₅₀= 10-50 μM), TGF-β1 (IC₅₀=100-200 μM), and IL-8 (IC₅₀=100 μM) formation, but has no effect on TNF-α.

Tranilast also inhibits VEGF-induced angiogenetic activities.

Tranilast also is an inhibitor of the transcription factor Forkhead box O-1 (FoxO-1).

References

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Ikai K, et al. *Biochem Pharmacol.* 1989 Aug 15;38(16):2673-6.

Koyama S, et al. *Br J Pharmacol.* 1999 May;127(2):537-45.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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