

Product Name	: TRIM
Synonyms	: 1-(2-Trifluoromethylphenyl)imidazole
Cat No.	: M22394
CAS Number	: 25371-96-4
Molecular Formula	: C ₁₀ H ₇ F ₃ N ₂
Formula Weight	: 212.17
Chemical Name	: —
Description	<p>TRIM is an inhibitor of nNOS. TRIM is a poor inhibitor of bovine aortic endothelial NOS with an IC₅₀ of 1057.5 µM. TRIM (10-50 mg kg⁻¹) administered i.p. exhibits dose-related antinociceptive activity in the mouse (assessed as inhibition of late phase formalin-induced hindpaw licking behaviour) with an ED₅₀ of 85.8 µmol kg⁻¹. In contrast, TRIM (50 mg kg⁻¹, i.p.) failed to influence mean arterial blood pressure in the urethane-anaesthetized mouse.</p>
Pathway	: Immunology/Inflammation
Target	: NOS
Receptor	: nNOS
Solubility	: —
SMILES	: <chem>FC(F)(F)c1ccccc1-n1ccnc1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Handy R L C , Wallace P , Gaffen Z A , et al. The antinociceptive effect of 1-(2-trifluoromethylphenyl) imidazole (TRIM), a potent inhibitor of neuronal nitric oxide synthase in vitro, in the mouse.[J]. British Journal of Pharmacology, 2012, 116(5):2349-2350.