



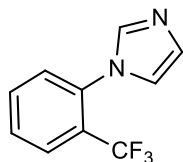
Catalog # 10-2699

TRIM

25371-96-4

1-(2-Trifluoromethylphenyl)imidazole

Lot # X101190



A potent inhibitor of neuronal and inducible nitric oxide synthases, ($IC_{50} = 28.2$ and $27.0 \mu\text{M}$ respectively). Inhibits endothelial NOS with lower potency ($IC_{50} = 1057.5 \mu\text{M}$). Displays antinociceptive activity *in vivo*².

- 1) Handy *et al.* (1995), *The antinociceptive effect of 1-(2-trifluoromethylphenyl)imidazole (TRIM), a potent inhibitor of neuronal nitric oxide synthase in vitro, in the mouse*; Br. J. Pharmacol., **116** 2349
- 2) Handy *et al.* (1996), *Inhibition of nitric oxide synthase by 1-(2-trifluoromethylphenyl) imidazole (TRIM) in vitro: antinociceptive and cardiovascular effects*; Br. J. Pharmacol., **119** 423

PHYSICAL DATA

Molecular Weight:	212.18
Molecular Formula:	C ₁₀ H ₇ F ₃ N ₂
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 10 mg/ml), Ethanol (up to 20 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

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Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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