



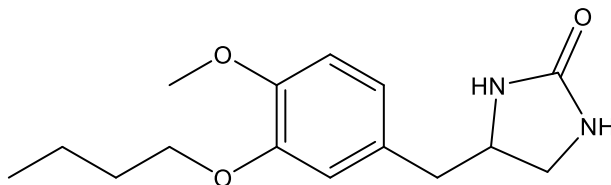
Catalog # 10-1014

Ro 20-1724

CAS# 29925-17-5

4-(3-Butoxy-4-methoxybenzyl)-2-imidazolidinone

Lot # X101287



Selective inhibitor of cAMP-specific phosphodiesterase (PDE4), $IC_{50} = 0.2 \mu M$. Displays anti-inflammatory activity. Cell permeable

- 1) Soderling *et al.* (1998), *Cloning and characterization of a cAMP-specific cyclic nucleotide phosphodiesterase* ; Proc. Natl. Acad. Sci. USA, **95** 8991
- 2) Nicholson *et al.* (1991), *Differential modulation of tissue function and therapeutic potential of selective inhibitors of cyclic nucleotide phosphodiesterase isoenzymes* ; Trends Pharmacol. Sci., **12** 19

PHYSICAL DATA

Molecular Weight:	278.35
Molecular Formula:	C ₁₅ H ₂₂ N ₂ O ₃
Purity:	99% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 200 mg/ml), or ethanol (up to 40 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO or ethanol may be stored at -20°C for up to 6 months.

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