



LKT Laboratories, Inc.

Ro 20-1724

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Product Information

Product ID R5602

CAS No. 29925-17-5

Chemical Name 4-(3-Butoxy-4-methoxyphenyl)methyl-2-imidazolidone

Synonym

Formula C₁₅H₂₂N₂O₃

Formula Wt. 278.35

Melting Point 126-127° C

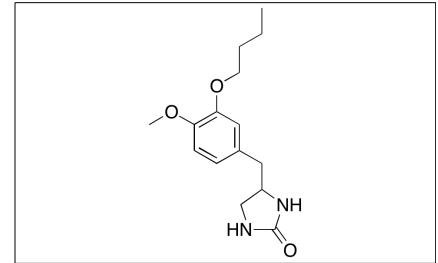
Purity ≥98%

Solubility Soluble in DMSO (200 mg/ml), ethanol (40 mg/ml).

Store Temp Ambient

Ship Temp Ambient

Description Ro 20-1724 is a phosphodiesterase inhibitor that has been shown to enhance cognition in streptozocin treated rats. In addition to learning and memory improvements, Ro 20-1724 was also found to attenuate oxidative stress and restore cholinergic functions. Furthermore, this inhibitor was also shown to produce a potent anti-inflammatory effect in a murine model.



Bulk quantities available upon request

Product ID	Size
R5602	25 mg
R5602	100 mg
R5602	250 mg

References Sharma V, Bala A, Deshmukh R, et al. Neuroprotective effect of Ro-20-1724 a phosphodiesterase4 inhibitor against intracerebroventricular streptozocin induced cognitive deficit and oxidative stress in rats. *Pharmacol Biochem Behav.* 2012 Apr; 101(2):239-245. PMID: 2285388.

Clayton R, Dick C, Mackenzie A, et al. The effect of selective phosphodiesterase inhibitors, alone and in combination, on a murine model of allergic asthma. *Respir Res.* 2004 May 5; 5(1):4. PMID: 15169552.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.