# RO-20-1724

## PDE inhibitor

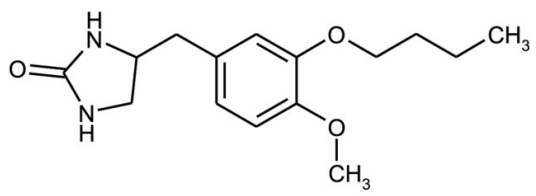
Selective, potent cAMP-specific phosphodiesterase inhibitor (PDE IV, $IC_{50}$ =2μM). Inhibits superoxide generation and platelet aggregation stimulated by arachidonic acid. Also inhibits fMLP-induced neutrophil adhesion to vascular endothelial cells.

**Citations:** 10 View Online »

## Ordering Information Order Online »

| | |
|---|---|
| **BML-EI117-0100** | 100mg |
| **BML-EI117-1000** | 1g |

## Manuals, SDS & CofA View Online »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## Handling & Storage

| | |
|---|---|
| **Use/Stability** | As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored at +20°C. Solutions are stable for up to 3 months when stored at -20°C. |
| **Long Term Storage** | Ambient |
| **Shipping** | Ambient Temperature |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Alternative Name** | 4-(3-Butoxy-4-methoxybenzyl)-2-imidazolidinone |
| **Appearance** | White to off-white solid. |
| **CAS** | 29925-17-5 |
| **Couple Target** | PDE |
| **Couple Type** | Inhibitor |
| **Formula** | $C_{15}H_{22}N_2O_3$ |
| **MW** | 278.3 |
| **MeltingPoint** | 126-127°C |
| **Purity** | ≥99% (TLC) |
| **Solubility** | Soluble in 100% ethanol (40mg/ml) or DMSO (200 mg/ml); insoluble in water. |

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