

Catalog	Unit
TBI1014 -50MG	50 mg
TBI1014 -250MG	250 mg

### Product Details

**Formal Name:** 4-(3-Butoxy-4-methoxybenzyl)-2-imidazolidinone.

**Molecular Formula:** C<sub>15</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>.

**Formula Weight:** 278.35.

**CAS Number:** 29925-17-5.

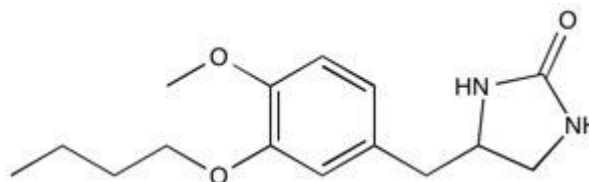
**Purity:** ≥98%

**Formulation:** Powder.

**Solubility:** Soluble in DMSO (up to 200 mg/ml) or in Ethanol (up to 40 mg/ml).

**Storage:** Room Temperature.

**Stability:** ≥ 2 years.



### Applications

Phosphodiesterase PDE4 inhibitor.

### Functions

Selective inhibitor of cAMP-specific phosphodiesterase (PDE4), IC<sub>50</sub> = 0.2 μM. Displays anti-inflammatory activity. Cell permeable.

### Application Procedures

RO 20-1724 can be first dissolved in DMSO (up to 200 mg/ml) or in Ethanol (up to 40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 6 months.

### Relative Products

TBI2438	EHNA Hydrochloride, PDE2 and ADA Inhibitor
TBI1220	Anagrelide HCl, PDE3 Inhibitor
TBI1221	Sildenafil citrate, PDE5 Inhibitor
TBI1008	IBMX, PDE Inhibitor (Pan Specific)
TBI1126	Vinpocetine, PDE1 Inhibitor
TBI2657	Roflumilast, PDE4 Inhibitor
TBI1319	BML-288, PDE2 Inhibitor
TBI2584	Cilostamide, PDE3 Inhibitor
TBI1131	Cilostazol, PDE3A Inhibitor

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