**PRODUCT DATA SHEET**

**BML-EI234**  
**K-252b**  
PKC inhibitor

![Chemical Structure](image)

**Product Number/Sizes**
- BML-EI234-1000  
  1 mg
- BML-EI234-0100  
  100 µg

Replaces Prod. #: ALX-380-029

General, cell permeable protein kinase inhibitor. Acts by binding to the ATP binding domain of the kinase. Potent inhibitor of Ca<sup>2+</sup>/calmodulin kinase II. Inhibits myosin light chain kinase (MLCK; K<sub>i</sub>=0.147µM), cAMP-dependent protein kinase (PKA; K<sub>i</sub>=0.09µM), protein kinase C (PKC; K<sub>i</sub>=0.02µM), and cGMP-dependent protein kinase (PKG; K<sub>i</sub>=0.1µM).

**Product Specifications**

**FORMULA:**  
C<sub>26</sub>H<sub>19</sub>N<sub>3</sub>O<sub>5</sub>

**MW:**  
453.5

**PURITY:**  
≥98% (TLC)

**APPEARANCE:**  
White solid.

**CAS:**  
99570-78-2

**SOLUBILITY:**  
Soluble in DMSO (1mg/ml) or dimethyl formamide (1mg/ml).

**LONG TERM STORAGE:**  
+4°C

**USE/STABILITY:**  
Stable for at least 1 year after receipt when stored, as supplied, at 0-4°C. Stock solutions are stable for up to 3 months at -20°C.

**HANDLING:**  
Protect from light.

**Product Literature References**

- Potent and preferential inhibition of Ca<sup>2+</sup>/calmodulin-dependent protein kinase II by K252a and its derivative, KT5926 Y. Hashimoto, et al. BBRC 181 423 (1991)

**Background/Technical Information**
WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

MATERIAL SAFETY DATA: This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet.

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Please click here for the comprehensive product datasheet.

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