

# CERTIFICATE of ANALYSIS



## Papaverine

1-[(3,4-dimethoxyphenyl)methyl]-6,7-dimethoxy isoquinoline

Item No. 10011133 • Batch No. 0476735

Purity Specification: 98%

Molecular Formula.: C<sub>20</sub>H<sub>21</sub>NO<sub>4</sub>

CAS Number: 58-74-2

Formula Weight: 339.4

Expiry date: 1/10/2018

| Tests | Specifications   | Results  |
|-------|--|--|
| HPLC  | Column .....: C18, 5 $\mu$ , 4.6 X 250 mm<br>Mob. Phase.....: Methanol:10 mM Ammonium acetate (aq), pH 7.0 (65:35)<br>Flow Rate.....: 1.00 ml/min<br>Detector UV .....: 255 nm | Retention Time Actual.: 5.70 min<br>Purity.....: 100.0 % |
| IR    | Conforms with standard   | Conforms   |
| Mass  | Source Type .....: APCI<br>MH+   | Expected<br>340.3<br>Actual<br>340.1                     |
| TLC   | Mob. Phase.....: Dichloromethane:Methanol (95:5)<br>Stationary Phase : Silica Gel<br>Visualized With ....: Sulfuric Acid   | Rf .....: 0.52<br>Purity %.....: 100                     |

Analyzed by: Jessie Schrot

Approved by: Libby Perry

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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#### CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD  
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897

[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM

WWW.CAYMANCHEM.COM