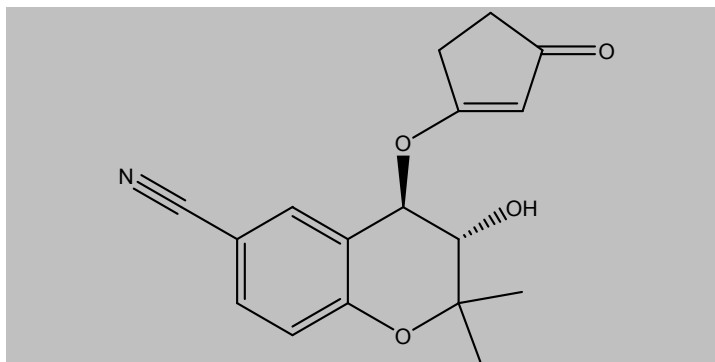


Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 03/11/2014
COA Revision Date: 03/11/2017

Product: PCO-400
Cat. No.: BN0673
Batch No.: 0673BN/01
Chemical Name: (-)-(3*S*,4*R*)-3,4-Dihydro-3-hydroxy-2,2-dimethyl-4-(3-oxocyclopent-1-enyl-1-oxy)-2*H*-1-benzopyran-6-carbonitrile

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₇NO₄
Batch Molecular Weight: 299.32
CAS No.: [121055-10-5]
Physical Appearance: White solid
Melting Point: 154 - 156° C
Solubility: Soluble to 30 mg/ml in ethanol or to 200 mg/ml in DMSO
Storage: RT
Batch Molecular Structure:



Product Description: **Potent and selective ATP-sensitive K⁺ (K_{ATP}) channel opener (IC₅₀ = 1.8 μM for relaxation of contracted human or guinea-pig airway smooth muscle). Equipotent with cromakalin.**

References: 1. Fozard et al. (1990) Br J Pharmacol 99:7P; 2. Chapman et al. (1992) Br J Pharmacol 106:423; 3. Small et al. (1992) Eur J Pharmacol 219:81

- CAUTION - Not fully tested. For Research use only. Not for human use. -

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BN0673 PCO-400

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Assay (TLC): > 99% (complies).