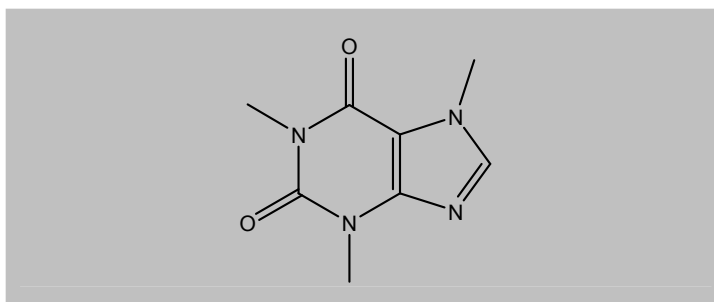


Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 13/09/2013
COA Revision Date: 13/09/2016

Product: Caffeine
Cat. No.: BG0052
Batch No.: 0052BG/01
Chemical Name: 1,3,7-Trimethylxanthine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₈H₁₀N₄O₂
Batch Molecular Weight: 194.19
CAS No.: [58-08-2]
Physical Appearance: White crystalline solid
Melting Point: 233 - 238° C
Solubility: Soluble to 15 mg/ml in water
Storage: RT
Batch Molecular Structure:



Product Description: Adenosine receptor antagonist and Adenosine 3',5'-cyclic Monophosphate (cAMP) Phosphodiesterase (PDE) inhibitor.

References: 1. Hadfield (1997) Mol Neurobiol 15:31; 2. Ferre et al. (1997) Trends Neurosci 20:482

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



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BG0052 Caffeine

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Heavy Metals: < 20 ppm (complies); HPLC Assay: > 99% (complies).

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