

Certificate Of Analysis

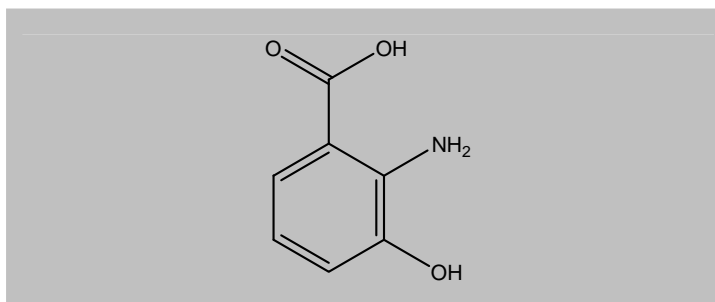
Quality Control Testing and Research Application

COA Preparation Date: 08/09/2011
COA Revision Date: 08/09/2014

Product: 3-Hydroxyanthranilic acid
Cat. No: BS0240
Batch No: 0240BS/01
Chemical Name: 2-Amino-3-hydroxybenzoic acid; HAA

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₇H₇NO₃
Batch Molecular Weight: 153.14
CAS No: [548-93-6]
Physical Appearance: White to off-white solid
Melting Point: 240° C (decomp.)
Solubility: Soluble in water
Storage: -20° C
Batch Molecular Structure:



Product Description: A compound generated during tryptophan metabolism initiated by indoleamine 2,3-dioxygenase, is known to induce T cell death. It has been reported that it inhibits NF-κB activation upon T cell antigen receptor engagement by specifically targeting PDK1. Inhibition of NF-κB by HAA leads to dysfunction and cell death of activated Th2 cells, which in turn suppresses experimental asthma.

References: 1. Hayashi et al. (2007) Proc Natl Acad Sci USA 104:18619



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BS0240 3-Hydroxyanthranilic acid

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: HPLC Assay: > 98% (complies).

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