

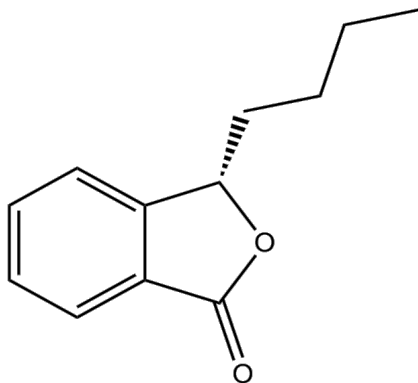
Certificate of Analysis

Product Name: Butylphthalide (3-n-Butylphthalide)
Cat. No.: GN10524
Batch No.: 1
Chemical Name: 3-butyl-3H-2-benzofuran-1-one

PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 6066-49-5
Molecular Formula: $C_{12}H_{14}O_2$
Molecular Weight: 190.24
Storage: Store at $-20^{\circ}C$

Chemical Structure:



ANALYTICAL DATA

Appearance: A liquid
HNMR: Consistent with structure
HPLC: Consistent with structure
Purity: >99.50%
Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA