

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 01697  
**Lot Number** 001443-20160302  
**Product** **3H-1,2-Benzodithiol-3-one-1,1-dioxide**

Beaucage reagent

**CAS Number** 66304-01-6  
**Molecular Formula** C<sub>7</sub>H<sub>4</sub>O<sub>3</sub>S<sub>2</sub>

**Molecular Weight** 200.2

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**Appearance** White crystalline powder  
**Clarity & Color** Clear solution (50 mg in 1 mL Acetonitrile)  
**Solubility** Soluble in Acetonitrile at 0.1M concentration with no precipitation.  
**Melting Point** 102-103 °C  
**<sup>1</sup>H NMR** Conforms to structure  
**Purity by HPLC** 99.5%  
**Application** Used as a sulfur-transfer reagent for the large-scale synthesis of oligonucleotide phosphorothioate analogues.  
**Storage** Store at 0-8 °C  
**Remarks** See material safety data sheet for additional information  
For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager