

Certificate of Analysis

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Product Name: HODHBt

Catalog No.: 6994

Batch No.: 1

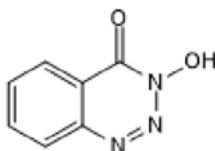
CAS Number: 28230-32-2

EC Number: 248-916-1

IUPAC Name: 3-Hydroxy-1,2,3-benzotriazin-4(3H)-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₇H₅N₃O₂
Batch Molecular Weight: 163.14
Physical Appearance: White solid
Solubility: DMSO to 100 mM
ethanol to 50 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.6% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	51.54	3.09	25.76
Found	51.57	3.02	25.66

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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CAS Number: 28230-32-2

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IUPAC Name: 3-Hydroxy-1,2,3-benzotriazin-4(3H)-one

Description:

STAT5-SUMO protein-protein interaction inhibitor. Blocks SUMOylation of phosphorylated STAT5. Reactivates latent HIV-1 reservoir in central memory T cells (T_{CM}). Increases viral release by ~2.7-fold at a concentration of 100 μM in combination with IL-2 compared to unstimulated cells; reduces size of latent HIV-1 reservoir in vitro.

Physical and Chemical Properties:

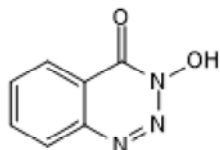
Batch Molecular Formula: C₇H₅N₃O₂

Batch Molecular Weight: 163.14

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Bosque et al (2017) Benzotriazoles reactivate latent HIV-1 through inactivation of STAT5 SUMOylation. *Cell Rep.* **18** 1324. PMID: 28147284.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 50 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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