



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



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Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# PRODUCT INFORMATION



## HAT Inhibitor II

Item No. 19835

CAS Registry No.: 932749-62-7

Formal Name: 2,6-bis[(3-bromo-4-hydroxyphenyl)methylene]-cyclohexanone

Synonyms: Histone Acetyltransferase Inhibitor II

MF:  $C_{20}H_{16}Br_2O_3$

FW: 464.2

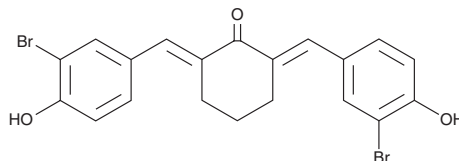
Purity:  $\geq 98\%$

UV/Vis.:  $\lambda_{max}$ : 249, 366 nm

Supplied as: A crystalline solid

Storage:  $-20^{\circ}C$

Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



### Laboratory Procedures

HAT Inhibitor II is supplied as a crystalline solid. A stock solution may be made by dissolving the HAT inhibitor II in the solvent of choice. HAT Inhibitor II is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of HAT inhibitor II in these solvents is approximately 20, 30, and 50 mg/ml, respectively.

HAT Inhibitor II is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, HAT inhibitor II should first be dissolved in DMF and then diluted with the aqueous buffer of choice. HAT Inhibitor II has a solubility of approximately 0.11 mg/ml in a 1:8 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

### Description

HAT Inhibitor II is a cell-permeable, selective inhibitor of the histone acetyltransferase p300 ( $IC_{50} = 5 \mu M$ ).<sup>1</sup> It does not inhibit PCAF or GCN5 acetyltransferases.<sup>1</sup>

### Reference

1. Costi, R., DiSanto, R., Artico, M., et al. Cinnamoyl compounds as simple molecules that inhibit p300 histone acetyltransferase. *J. Med. Chem.* **50**(8), 1973-1977 (2007).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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