

**Product Name:** IA

**Catalog No.:** 7789

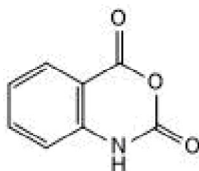
**Batch No.:** 1

CAS Number: 118-48-9

IUPAC Name: 1,2-Dihydro-3,1-benzoxazine-2,4-dione

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>8</sub>H<sub>5</sub>NO<sub>3</sub>  
**Batch Molecular Weight:** 163.13  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 50 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.9% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

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

**Product Name:** IA

**Catalog No.:** 7789

**1**

CAS Number: 118-48-9

IUPAC Name: 1,2-Dihydro-3,1-benzoxazine-2,4-dione

**Description:**

IA is a SHAPE-JuMP monoadduct control for TBIA (Cat. No. 7788)

**Physical and Chemical Properties:**

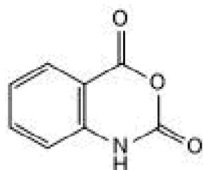
Batch Molecular Formula: C<sub>8</sub>H<sub>5</sub>NO<sub>3</sub>

Batch Molecular Weight: 163.13

Physical Appearance: White solid

**Minimum Purity:** ≥95%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO 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. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**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.

**References:**

Christy *et al* (2021) Direct mapping of higher-order RNA interactions by SHAPE-JuMP. *Biochemistry* **60** 1971. PMID: 34121404.

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