Product Name: TNP 470
Catalog No.: 3750
Batch No.: 4

CAS Number: 129298-91-5
IUPAC Name: N-(2-Chloroacetyl)carbamic acid (3R,4S,5S,6R)-5-Methoxy-4-[(2R,3R)-2-methyl-3-(3-methyl-2-buten-1-yl)-2-oxiranyl]-1-oxaspiro[2.5]oct-6-yl ester

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: C\textsubscript{19}H\textsubscript{28}ClNO\textsubscript{6}
   Batch Molecular Weight: 401.88
   Physical Appearance: White solid
   Solubility: DMSO to 100 mM
   Storage: Store at -20°C
   Batch Molecular Structure:

2. ANALYTICAL DATA

   HPLC: Shows 97.3% purity
   \textsuperscript{1}H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
**Product Name:** TNP 470  
**Catalog No.:** 3750  
**Batch No.:** 4

**CAS Number:** 129298-91-5  
**IUPAC Name:** N-(2-Chloroacetyl)carbamic acid (3R,4S,5S,6R)-5-Methoxy-4-[(2R,3R)-2-methyl-3-(3-methyl-2-buten-1-yl)-2-oxiranyl]-1-oxaspiro[2.5]oct-6-yl ester

**Description:**  
Analog of Fumagillin (Cat. No. 1768) that displays potent antiangiogenic activity in vitro and in vivo. Inhibits methionine aminopeptidase type II (MetAP2). Potently inhibits the proliferation of endothelial cells.

**Physical and Chemical Properties:**  
**Batch Molecular Formula:** C_{10}H_{20}ClNO_{6}  
**Batch Molecular Weight:** 401.88  
**Physical Appearance:** White solid  
**Minimum Purity:** >97%

**Storage:** Store at -20°C

**Solubility & Usage Info:**  
DMSO to 100 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.

**References:**  