

## Certificate of Analysis

**Product Name:** (1*R*,1'*S*,3'*R*/1*R*,1'*R*,3'*S*)-L-054,264

**Catalog No.:** 2444

**Batch No.:** 2

**CAS Number:** 208706-12-1

**IUPAC Name:** *N*-[(1*R*)-2-[[[(1*S*\*,3*R*\*)-3-(Aminomethyl)cyclohexyl]methyl]amino]-1-(1*H*-indol-3-ylmethyl)-2-oxoethyl]spiro[1*H*-indene-1,4'-piperidine]-1'-carboxamide

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>33</sub>H<sub>41</sub>N<sub>5</sub>O<sub>2</sub>·<sup>3</sup>/<sub>4</sub>H<sub>2</sub>O

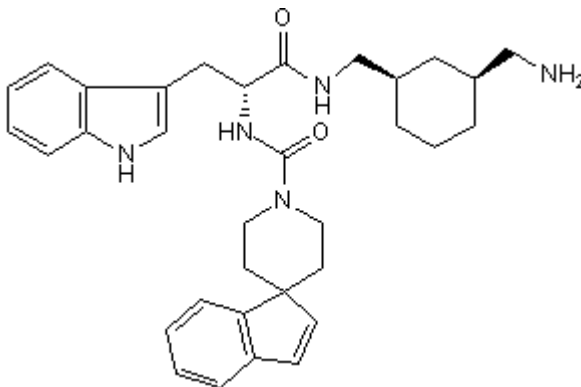
**Batch Molecular Weight:** 553.22

**Physical Appearance:** White solid

**Solubility:** DMSO to 50 mM  
ethanol to 100 mM

**Storage:** Store at +4°C

**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**TLC:** R<sub>f</sub> = 0.4 (Dichloromethane:Methanol:Ammonia soln. [65:9:1])

**HPLC:** Shows >99.1% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	71.65	7.74	12.66
Found	71.59	7.97	12.29

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

**Product Name:** (1*R*,1'*S*,3'*R*/1*R*,1'*R*,3'*S*)-L-054,264

**Catalog No.:** 2444

**Batch No.:** 2

**CAS Number:** 208706-12-1

**IUPAC Name:** *N*-[[(1*R*)-2-[[[(1*S*\*,3*R*\*)-3-(Aminomethyl)cyclohexyl]methyl]amino]-1-(1*H*-indol-3-ylmethyl)-2-oxoethyl]spiro[1*H*-indene-1,4'-piperidine]-1'-carboxamide

**Description:**

Potent and selective somatostatin sst<sub>2</sub> receptor agonist (K<sub>i</sub> values are 4, 537, 2480, 3614 and 5017 nM for cloned human sst<sub>2</sub>, sst<sub>1</sub>, sst<sub>4</sub>, sst<sub>3</sub> and sst<sub>5</sub> receptors respectively).

**Physical and Chemical Properties:**

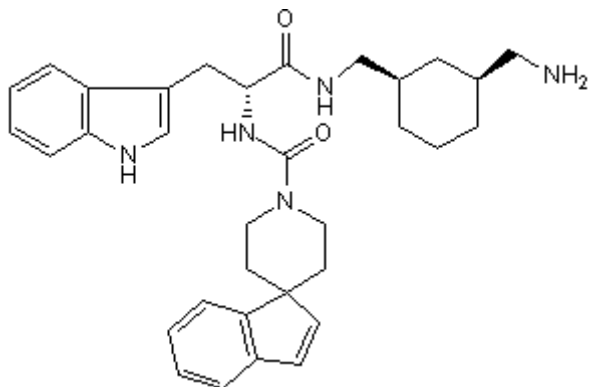
Batch Molecular Formula: C<sub>33</sub>H<sub>41</sub>N<sub>5</sub>O<sub>2</sub>·3/4H<sub>2</sub>O

Batch Molecular Weight: 553.22

Physical Appearance: White solid

**Minimum Purity:** >96%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 50 mM  
ethanol 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:**

**Yang et al** (1998) Spiro[1*H*-indene-1,4'-piperidine] derivatives as potent and selective non-peptide human somatostatin receptor subtype 2 (sst<sub>2</sub>) agonists. *J.Med.Chem.* **41** 2175. PMID: 9632348.

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

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel: +1 612 379 2956