

**Product Name:** 1R,3R-RSL3

**Catalog No.:** 6687

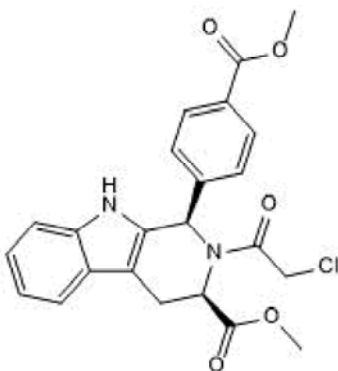
**Batch No.:** 1

CAS Number: 1219810-15-7

IUPAC Name: (1R,3R)-Methyl 2-(2-chloroacetyl)-2,3,4,9-tetrahydro-1-[4-(methoxycarbonyl)phenyl]-1H-pyrido[3,4-b]indole-3-carboxylate

## 1. PHYSICAL AND CHEMICAL PROPERTIES

<b>Batch Molecular Formula:</b>	C <sub>23</sub> H <sub>21</sub> ClN <sub>2</sub> O <sub>5</sub> .
<b>Batch Molecular Weight:</b>	440.88
<b>Physical Appearance:</b>	White solid
<b>Solubility:</b>	DMSO to 100 mM
<b>Storage:</b>	Store at -20°C
<b>Batch Molecular Structure:</b>	



## 2. ANALYTICAL DATA

<b>HPLC:</b>	Shows 99.9% purity
<b>Chiral HPLC:</b>	Shows 100.0% purity
<b><sup>1</sup>H NMR:</b>	Consistent with structure
<b>Mass Spectrum:</b>	Consistent with structure

<b>Microanalysis:</b>	Carbon Hydrogen Nitrogen			
Theoretical	62.66	4.8	6.35	
Found	62.45	4.76	6.28	

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

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**Description:**

1R,3R-RSL3 is a negative control for 1S,3R-RSL3 (Cat. No. 6118).

**Physical and Chemical Properties:**

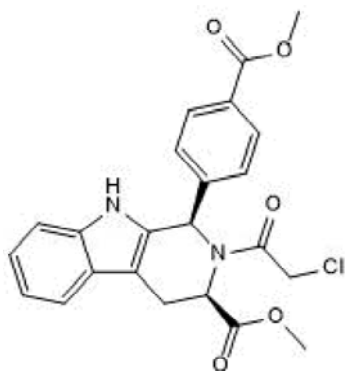
Batch Molecular Formula: C<sub>23</sub>H<sub>21</sub>ClN<sub>2</sub>O<sub>5</sub>.

Batch Molecular Weight: 440.88

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**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.

**Licensing Information:**

Sold with the permission of Columbia University.

**References:**

Yang *et al* (2016) Peroxidation of polyunsaturated fatty acids by lipoxygenases drives ferroptosis. *Proc.Natl.Acad.Sci.U.S.A.* **113** E4966. PMID: 27506793.

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**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