



MANUFACTURED BY VDM BIOCHEMICALS.LLC  
5386 MAJESTIC PARKWAY, UNIT-9,BEDFORD HEIGHTS, OH 44146,USA

PHONE NUMBER: 1-440-786-9400  
FAX NUMBER: 1-440-786-9410  
EMAIL: SALES@VDMBIO.COM

[www.vdmbio.com](http://www.vdmbio.com)

## CERTIFICATE OF ANALYSIS

Product name: **SD 169**

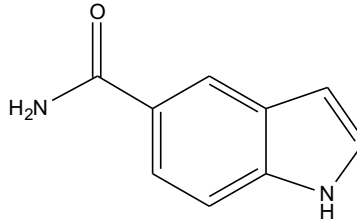
Cat. number: **VD-IS-0069**

CAS Number: **1670-87-7**

Lot number: **VD13-741000**

### Personal protective equipment

- Lab coat.
- Safety glasses.



### Product Specification

<b>Formula:</b>	C <sub>9</sub> H <sub>8</sub> N <sub>2</sub> O
<b>MW:</b>	160.17
<b>Purity:</b>	>=97%
<b>Appearance:</b>	Off-white solid.
<b>Solubility:</b>	10 mM in H <sub>2</sub> O and to 100 mM in DMSO.
<b>Storage:</b>	+2°C to +8°C. <b>Protect from light.</b>
<b>Synonyms:</b>	p38 MAP Kinase Inhibitor VII

### Product Description:

Selective, orally active, ATP-competitive inhibitor of p38 $\alpha$  MAPK (IC<sub>50</sub> values are 3.2, 122 and > 50000 nM for p38 $\alpha$ , p38 $\beta$  and p38 $\gamma$  respectively). Demonstrates no activity against a range of other kinases including ERK2, JNK1 and MAPKAP2. Prevents development of diabetes and alleviates mild and moderate hyperglycaemic states in NOD mice.

### Product Reference:

- 1.Myers et al (2003).Exp.Neurol. 184 606.
- 2.Medicherla et al (2006).Exp.Ther. 318 99.

*Signature* \_\_\_\_\_