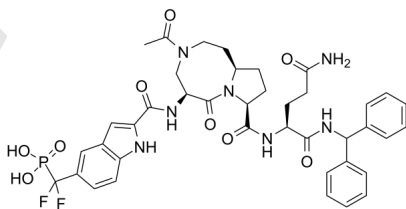


## Certificate of Analysis

Catalog Number	BP15257
Product Name	SI-109

## Physical and Chemical Properties

Chemical Formula	C <sub>40</sub> H <sub>44</sub> F <sub>2</sub> N <sub>7</sub> O <sub>9</sub> P
Molecular Weight	835.79
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

## Product Information

Description	SI-109 is a potent inhibitor of STAT3 SH2 domain (K <sub>i</sub> =9 nM), and with antitumor activity.
Targets&IC <sub>50</sub>	STAT3:9 nM (k <sub>i</sub> )

In vitro	In MOLM-16 cells, SI-109 exerts a moderate growth inhibitory activity with IC50 of 3 $\mu$ M. SI-109 is ineffective in inhibition of STAT3 Y705 phosphorylation and in suppression of c-Myc expression at concentrations as high as 10 $\mu$ M.
----------	---

## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<http://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022