

**Product Name:** SGC 3027N

**Catalog No.:** 6838

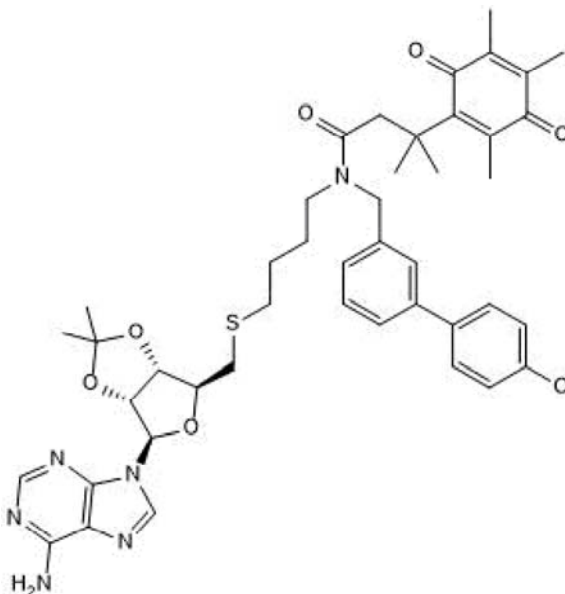
**Batch No.:** 1

CAS Number: 2624313-14-8

IUPAC Name: *N*-(4-(((3*aS*,4*S*,6*R*,6*aR*)-6-(6-Amino-9*H*-purin-9-yl)-2,2-dimethyltetrahydrofuro[3,4-*d*][1,3]dioxol-4-yl)methyl)thio)butyl)-*N*-((4'-chloro-[1,1'-biphenyl]-3-yl)methyl)-3-methyl-3-(2,4,5-trimethyl-3,6-dioxocyclohexa-1,4-dien-1-yl)butanamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

<b>Batch Molecular Formula:</b>	C <sub>44</sub> H <sub>51</sub> ClN <sub>6</sub> O <sub>6</sub> S
<b>Batch Molecular Weight:</b>	827.43
<b>Physical Appearance:</b>	Yellow solid
<b>Solubility:</b>	DMSO to 100 mM ethanol to 10 mM
<b>Storage:</b>	Store at -20°C
<b>Batch Molecular Structure:</b>	



## 2. ANALYTICAL DATA

<b>HPLC:</b>	Shows 99.0% 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	63.87	6.21	10.16
Found	63.46	6.27	10.23

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

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**Description:**

SGC 3027N is a negative control for SGC 3027 (Cat. No. 6825).

**Physical and Chemical Properties:**

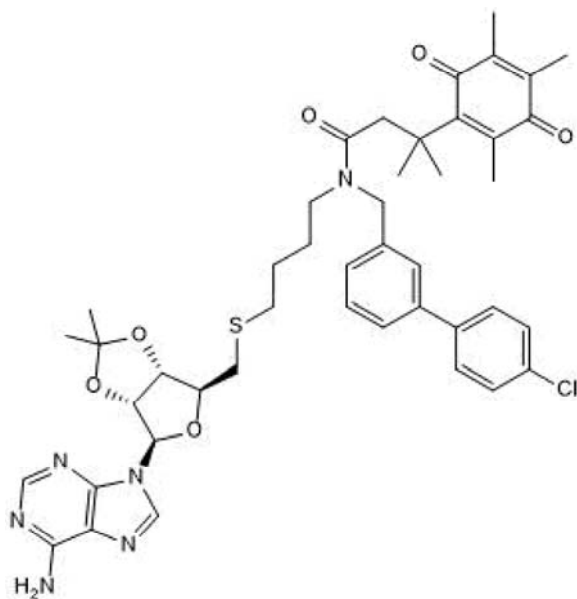
Batch Molecular Formula: C<sub>44</sub>H<sub>51</sub>ClN<sub>6</sub>O<sub>6</sub>S

Batch Molecular Weight: 827.43

Physical Appearance: Yellow solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol to 10 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:**

This probe is supplied in conjunction with the Structural Genomics Consortium. For further characterization details, please visit the SGC 3027 probe summary on the SGC website.

**References:**

**Szewczyk et al** (2020) Pharmacological inhibition of PRMT7 links arginine monomethylation to the cellular stress response. *Nat. Commun.* **11** 2396. PMID: 32409666.

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