

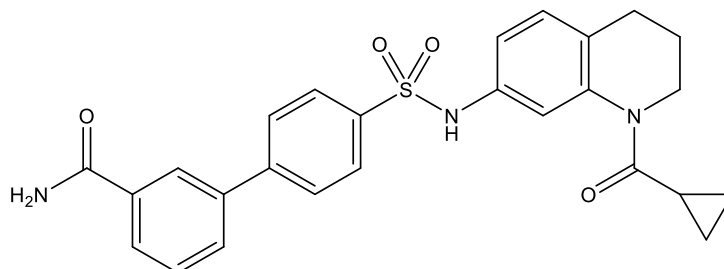
Catalog # 10-4700

SU0268

CAS# 2210228-45-6

3-[4-[[1-(Cyclopropanecarbonyl)-3,4-dihydro-2H-quinolin-7-yl]sulfamoyl]phenyl]benzamide

Lot # FBA7240



SU0268 is potent ($IC_{50} = 59$ nM) inhibitor of the DNA repair enzyme 8-oxoguanine DNA glycosylase (OGG1).^{1,2} Selective versus other DNA repair enzymes (MTH1, DUT, NUDT16, ABH2, ABH3, and SMUG1). SU0268 inhibited proinflammatory responses to *Pseudomonas aeruginosa* infection in C57BL/6 wild-type mice.³

- 1) Tahara *et al.* (2018), *Potent and Selective Inhibitors of 8-Oxoguanine DNA Glycosylase*; J. Am. Chem. Soc., **140** 2105
- 2) Kant *et al.* (2021), *Inhibition by Tetrahydroquinoline Sulfonamide Derivatives of the Activity of Human 8-Oxoguanine DNA Glycosylase (OGG1) for Several Products if Oxidatively induced DNA Base Lesions*; ACS Chem. Biol., **16** 45
- 3) Qin *et al.* (2020), *Small-Molecule Inhibitor of 8-Oxoguanine DNA Glycosylase 1 Regulates Inflammatory Responses during Pseudomonas aeruginosa Infection*; J. Immunol., **205** 2231

PHYSICAL DATA

Molecular Weight:	475.56
Molecular Formula:	C ₂₆ H ₂₅ N ₃ O ₄ S
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	Soluble in DMSO (10 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied, desiccated at -20°C for up to two years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.