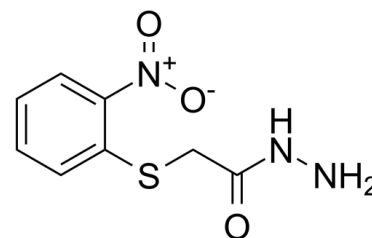


## Data Sheet

<b>Product Name:</b>	MAC13772
<b>Cat. No.:</b>	CS-0066719
<b>CAS No.:</b>	4871-40-3
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>9</sub> N <sub>3</sub> O <sub>3</sub> S
<b>Molecular Weight:</b>	227.24
<b>Target:</b>	Bacterial
<b>Pathway:</b>	Anti-infection
<b>Solubility:</b>	DMSO : 17.86 mg/mL (78.60 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

MAC13772 is a potent inhibitor of the enzyme **BioA** (**IC<sub>50</sub>**=250 nM), the antepenultimate step in biotin biosynthesis. MAC13772 is a novel antibacterial compound<sup>[1]</sup>. IC50 & Target: IC50: 250 nM (BioA)<sup>[1]</sup>

### References:

[1]. Zlitni S, et al. Metabolic suppression identifies new antibacterial inhibitors under nutrient limitation. Nat Chem Biol. 2013 Dec;9(12):796-804.

### CAIndexNames:

Acetic acid,2-[(2-nitrophenyl)thio]-,hydrazide

### SMILES:

O=C(NN)CSC1=CC=CC=C1[N+](=O)[O-]

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA