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**Product Data Sheet**

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Product Name: LAS-31180

Cat. No.: GC32529

**Chemical Properties**

Cas. No. 137338-43-3

SMILES CS(=O)(NC1=CN(C)C2=C(C=CC=C2)C1=O)=OFormula  $C_{11}H_{12}N_2O_3S$  M.Wt 252.29

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

LAS-31180 is an inhibitor of phosphodiesterase 3, with positive inotropic and vasodilator properties.

LAS 31180 shows positive inotropic activities in isolated guinea-pig ventricular strips (EC50 of 1.2  $\mu$ mol/L) and in isolated guinea-pig working hearts[1].

In conscious chronically instrumented beagle dogs, LAS 31180 administered either by intravenous or oral route, shows a dose-dependent, long-lasting positive inotropic effect with minimal effects on heart rate. In hypertensive beagle dogs LAS 31180 elicits a potent and long-lasting fall in blood pressure[1].

[1]. Gras J, et al. Pharmacological profile of LAS 31180, a new inotropic/vasodilator quinolone derivative. *Arzneimittelforschung*. 2000 Nov;50(11):980-6.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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