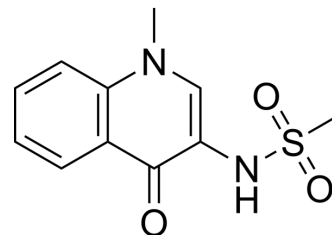


## LAS-31180

Cat. No.:	HY-101811
CAS No.:	137338-43-3
Molecular Formula:	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	252.29
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	LAS-31180 is an inhibitor of phosphodiesterase 3, with positive inotropic and vasodilator properties.
<b>In Vitro</b>	LAS 31180 shows positive inotropic activities in isolated guinea-pig ventricular strips (EC <sub>50</sub> of 1.2 μmol/L) and in isolated guinea-pig working hearts <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	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 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Gras J, et al. Pharmacological profile of LAS 31180, a new inotropic/vasodilator quinolone derivative. *Arzneimittelforschung*. 2000 Nov;50(11):980-6.
- [2]. 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.**

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