

## Product Data Sheet

Product Name: L-152,804

Cat. No.: GC16987

### Chemical Properties

Cas. No. 6508-43-6

Chemical Name (R)-2-(3,3-dimethyl-1-oxo-2,3,4,9-tetrahydro-1H-xanthen-9-yl)-5,5-dimethylcyclohexane-1,3-dione

SMILES O=C(CC(C)(C)CC1=O)C1[C@H]2C3=C(CC(C)(C)CC3=O)OC4=CC=CC=C24

Formula  $C_{23}H_{26}O_4$

M.Wt 366.46

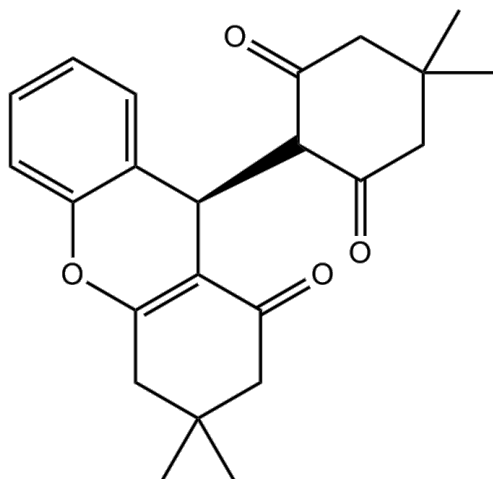
Solubility <36.65mg/ml in DMSO

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

L 152804 is an orally active and selective neuropeptide Y Y5 receptor (NPY5-R) antagonist, with a  $K_i$  of 26 nM for hY5. L 152804 causes weight loss in diet-induced obese mice by modulating food intake and energy expenditure[1][2].

L 152804 displays > 300-fold selectivity over hY1, hY2, and hY4 receptors[1].

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

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### References:

- [1]. Kanatani A, et al. L-152,804: orally active and selective neuropeptide Y Y5 receptor antagonist. *Biochem Biophys Res Commun*. 2000 May 27;272(1):169-73.
- [2]. Mashiko S, et al. A pair-feeding study reveals that a Y5 antagonist causes weight loss in diet-induced obese mice by modulating food intake and energy expenditure. *Mol Pharmacol*. 2007 Feb;71(2):602-8. Epub 2006 Nov 14.

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