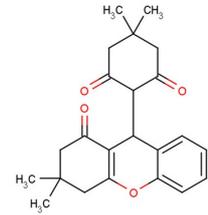


## Data Sheet (Cat.No.T15679)

L 152804

### Chemical Properties

CAS No.:	6508-43-6
Formula:	C <sub>23</sub> H <sub>26</sub> O <sub>4</sub>
Molecular Weight:	366.45
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



### Biological Description

Description	L 152804 is an orally active neuropeptide Y <sub>5</sub> receptor (NPY <sub>5</sub> -R) antagonist (K <sub>i</sub> : 26 nM for hY <sub>5</sub> ). L 152804 induces weight loss in diet-induced obese mice by modulating food intake and energy expenditure.
Targets(IC <sub>50</sub> )	NPY <sub>5</sub> -R: (k <sub>i</sub> )26 nM
In vitro	L 152804 shows > 300-fold selectivity over hY <sub>1</sub> , hY <sub>2</sub> , and hY <sub>4</sub> receptors [1].

### Solubility Information

Solubility	DMSO: 125 mg/mL (341.11 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.729 mL	13.644 mL	27.289 mL
5 mM	0.546 mL	2.729 mL	5.458 mL
10 mM	0.273 mL	1.364 mL	2.729 mL
50 mM	0.055 mL	0.273 mL	0.546 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

- Kanatani A, et al. L-152,804: orally active and selective neuropeptide Y<sub>5</sub> receptor antagonist. *Biochem Biophys Res Commun.* 2000 May 27;272(1):169-73.
- Mashiko S, et al. A pair-feeding study reveals that a Y<sub>5</sub> 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.

Inhibitors · Natural Compounds · Compound Libraries

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