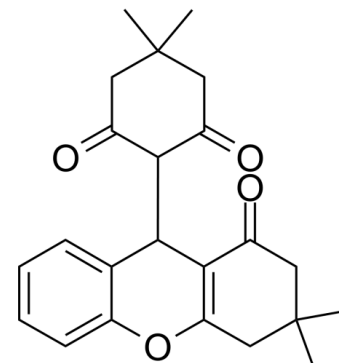


## Data Sheet

<b>Product Name:</b>	L 152804
<b>Cat. No.:</b>	CS-0029410
<b>CAS No.:</b>	6508-43-6
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>26</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	366.45
<b>Target:</b>	Neuropeptide Y Receptor
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<b>Solubility:</b>	DMSO : ≥ 125 mg/mL (341.11 mM)



### BIOLOGICAL ACTIVITY:

L 152804 is an orally active and selective **neuropeptide Y Y5 receptor (NPY5-R)** antagonist, with a **K<sub>i</sub>** of 26 nM for **hY5**. L 152804 causes weight loss in diet-induced obese mice by modulating food intake and energy expenditure<sup>[1][2]</sup>. IC<sub>50</sub> & Target: K<sub>i</sub>: 26 nM (NPY5-R)<sup>[1]</sup>. **In Vitro:** L 152804 displays > 300-fold selectivity over hY1, hY2, and hY4 receptors<sup>[1]</sup>.

### 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.

### CAIndexNames:

1,3-Cyclohexanedione, 5,5-dimethyl-2-(2,3,4,9-tetrahydro-3,3-dimethyl-1-oxo-1H-xanthen-9-yl)-

### SMILES:

O=C1C2=C(CC(C)(C)C1)OC3=CC=CC=C3C2C4C(CC(C)(C)CC4=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