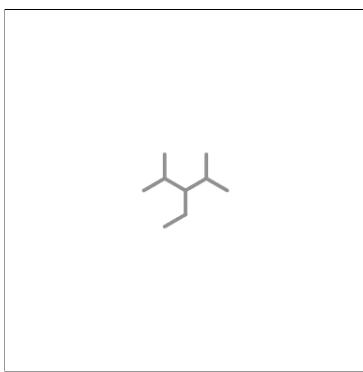
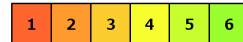


Oral toxicity prediction results for input compound



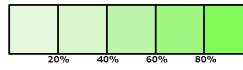
Predicted LD50: 2000mg/kg

Predicted Toxicity Class: 4



Average similarity: 100%

Prediction accuracy: 100%



Name	CCC(C(C)C)C(C)C
Molweight	128.26
Number of hydrogen bond acceptors	0
Number of hydrogen bond donors	0
Number of atoms	9
Number of bonds	8
Number of rotatable bonds	3
Molecular refractivity	45.38
Topological Polar Surface Area	0
octanol/water partition coefficient(logP)	3.32

Toxicity Model Report

Classification	Target	Shorthand	Prediction	Probability
Organ toxicity	<u>Hepatotoxicity</u>	dili	Calculating...	Calculating...
Organ toxicity	<u>Neurotoxicity</u>	neuro	Calculating...	Calculating...
Organ toxicity	<u>Nephrotoxicity</u>	nephro	Calculating...	Calculating...
Organ toxicity	<u>Respiratory toxicity</u>	respi	Calculating...	Calculating...
Organ toxicity	<u>Cardiotoxicity</u>	cardio	Calculating...	Calculating...
Toxicity end points	<u>Carcinogenicity</u>	carcino	Calculating...	Calculating...
Toxicity end points	<u>Immunotoxicity</u>	immuno	Calculating...	Calculating...
Toxicity end points	<u>Mutagenicity</u>	mutagen	Calculating...	Calculating...
Toxicity end points	<u>Cytotoxicity</u>	cyto	Calculating...	Calculating...
Toxicity end points	<u>BBB-barrier</u>	bbb	Calculating...	Calculating...
Toxicity end points	<u>Ecoxicity</u>	eco	Calculating...	Calculating...
Toxicity end points	<u>Clinical toxicity</u>	clinical	Calculating...	Calculating...
Toxicity end points	<u>Nutritional toxicity</u>	nutri	Calculating...	Calculating...
Tox21-Nuclear receptor signalling pathways	<u>Aryl hydrocarbon Receptor (AhR)</u>	nr_ahr	Calculating...	Calculating...
Tox21-Nuclear receptor signalling pathways	<u>Androgen Receptor (AR)</u>	nr_ar	Calculating...	Calculating...
Tox21-Nuclear receptor signalling pathways	<u>Androgen Receptor Ligand Binding Domain (AR-LBD)</u>	nr_ar_lbd	Calculating...	Calculating...
Tox21-Nuclear receptor signalling pathways	<u>Aromatase</u>	nr_aromatase	Calculating...	Calculating...
Tox21-Nuclear receptor signalling pathways	<u>Estrogen Receptor Alpha (ER)</u>	nr_er	Calculating...	Calculating...
Tox21-Nuclear receptor signalling pathways	<u>Estrogen Receptor Ligand Binding Domain (ER-LBD)</u>	nr_er_lbd	Calculating...	Calculating...
Tox21-Nuclear receptor signalling pathways	<u>Peroxisome Proliferator Activated Receptor Gamma (PPAR-Gamma)</u>	nr_ppar_gamma	Calculating...	Calculating...
Tox21-Stress response pathways	<u>Nuclear factor (erythroid-derived 2)-like 2/antioxidant responsive element (nr2/ARE)</u>	sr_are	Calculating...	Calculating...
Tox21-Stress response pathways	<u>Heat shock factor response element (HSE)</u>	sr_hse	Calculating...	Calculating...
Tox21-Stress response pathways	<u>Mitochondrial Membrane Potential (MMP)</u>	sr_mmp	Calculating...	Calculating...
Tox21-Stress response pathways	<u>Phosphoprotein (Tumor Suppressor) p53</u>	sr_p53	Calculating...	Calculating...
Tox21-Stress response pathways	<u>ATPase family AAA domain-containing protein 5 (ATAD5)</u>	sr_atad5	Calculating...	Calculating...
Molecular Initiating Events	<u>Thyroid hormone receptor alpha (THRa)</u>	mie_thr_alpha	Calculating...	Calculating...
Molecular Initiating Events	<u>Thyroid hormone receptor beta (THRβ)</u>	mie_thr_beta	Calculating...	Calculating...
Molecular Initiating Events	<u>Transtyretin (TTR)</u>	mie_ttr	Calculating...	Calculating...
Molecular Initiating Events	<u>Ryanodine receptor (RYR)</u>	mie_ryr	Calculating...	Calculating...
Molecular Initiating Events	<u>GABA receptor (GABAR)</u>	mie_gabar	Calculating...	Calculating...
Molecular Initiating Events	<u>Glutamate N-methyl-D-aspartate receptor (NMDAR)</u>	mie_nmdar	Calculating...	Calculating...
Molecular Initiating Events	<u>alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionate receptor (AMPAR)</u>	mie_ampar	Calculating...	Calculating...
Molecular Initiating Events	<u>Kainate receptor (KAR)</u>	mie_kar	Calculating...	Calculating...
Molecular Initiating Events	<u>Achetylcholinesterase (AChE)</u>	mie_ache	Calculating...	Calculating...
Molecular Initiating Events	<u>Constitutive androstane receptor (CAR)</u>	mie_car	Calculating...	Calculating...
Molecular Initiating Events	<u>Pregnane X receptor (PXR)</u>	mie_pxr	Calculating...	Calculating...
Molecular Initiating Events	<u>NADH-quinone oxidoreductase (NADHOX)</u>	mie_nadrox	Calculating...	Calculating...
Molecular Initiating Events	<u>Voltage gated sodium channel (VGSC)</u>	mie_vgsc	Calculating...	Calculating...
Molecular Initiating Events	<u>Na+/I- symporter (NIS)</u>	mie_nis	Calculating...	Calculating...
Metabolism	<u>Cytochrome CYP1A2</u>	CYP1A2	Calculating...	Calculating...
Metabolism	<u>Cytochrome CYP2C19</u>	CYP2C19	Calculating...	Calculating...
Metabolism	<u>Cytochrome CYP2C9</u>	CYP2C9	Calculating...	Calculating...
Metabolism	<u>Cytochrome CYP2D6</u>	CYP2D6	Calculating...	Calculating...

Classification	Target	Shorthand	Prediction	Probability
Metabolism	<u>Cytochrome CYP3A4</u>	CYP3A4	Calculating...	Calculating...
Metabolism	<u>Cytochrome CYP2E1</u>	CYP2E1	Calculating...	Calculating...

Toxicity targets

Possible binding to toxicity targets is shown below. For more information on the targets, please click on the individual abbreviations.



AA2AR ADRB2 ANDR AOFA CRFR1 DRD3 ESR1 ESR2 GCR HRH1 NR1I2 OPRK OPRM PDE4D PGH1 PRGR