



Product Information

Acetyl-CoA carboxylase inhibitor, CP-640186 hydrochloride, Purity ≥98%

Cat. No.: X24-09-YM598

Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 591778-70-0

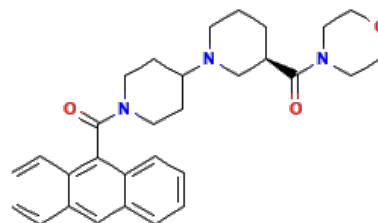
Compound CID: 23589188

Synonym: 591778-70-0; CP 640186; CP640186; CP640186 HCl;

[(3R

)-1-[1-(Anthracene-9-carbonyl)piperidin-4-yl]piperidin-3-yl]-morpholin-4-ylmethanone;

hydrochloride; Acetyl-CoA carboxylase inhibitor



Cl-H

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	CP-640186 hydrochloride is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting acetyl-CoA carboxylase. The molecular weight of the compound is 522.08, and its molecular formula is C ₃₀ H ₃₆ ClN ₃ O ₃ .
Molecular Weight	522.08
Molecular Formula	C ₃₀ H ₃₆ ClN ₃ O ₃
IUPAC Name	[(3R)-1-[1-(Anthracene-9-carbonyl)piperidin-4-yl]piperidin-3-yl]-morpholin-4-ylmethanone;hydrochloride
InChI	InChI=1S/C30H35N3O3.ClH/c34-29(32-16-18-36-19-17-32)24-8-5-13-33(21-24)25-11-14-31(15-12-25)30(35)28-26-9-3-1-6-22(26)20-23-7-2-4-10-27(23)28;/h1-4,6-7,9-10,20,24-25H,5,8,11-19,21H2;1H/t24-;/m1./s1
InChI Key	DUBNXJIOBFRAVS-GJFSDDNBSA-N
Canonical SMILES	C1CC(CN(C1)C2CCN(CC2)C(=O)C3=C4C=CC=CC4=CC5=CC=CC=C53)C(=O)N6CCOCC6.Cl
Isomeric SMILES	CCCCN1C[C@@H]([C@H]([C@@H]([C@H]1CO)O)O)O
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade



Applications

CP-640186 hydrochloride displays the significant potential to act as an effective inhibitor of PFKFB3, which affects glucose metabolism and energy production.

Storage

Store at -20°C, and keep desiccated.
