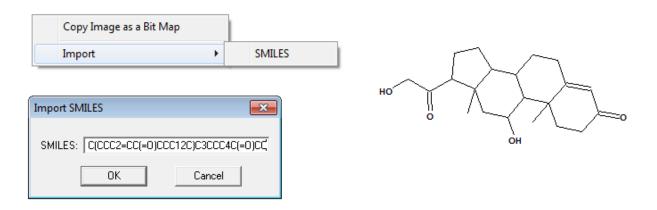
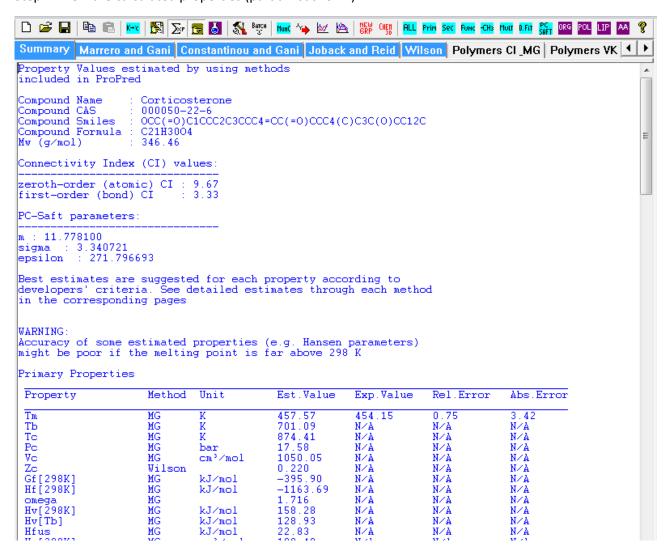
ProPred: Illustration with Corticosterone (CAS Number: 000050-22-6)

Step 1a: Insert the molecular description as SMILES

Or Step 1b: Draw the 2-D molecular structure



Step 2: View the calculated properties (partial list shown)



Fp Viscosity	MG MG	K op	679.03 28357.60	N∕A N∕A	N∕A N∕A	N∕A N∕A
THERM . COND	MG	mW∕m−K	N/A	N/A	N/A	N/A
-Log(LC50)FM	MG	Log(mol/L)		N/A	N/A	N/A
-Log(LC50)DM	*****	Log(mol/L)		N/A	N/A	N/A
-Log(LD50)	MG	Log(mol/kg)		N/A	N/A	N/A
Log(BCF)	MG		-0.35	N/A	N/A	N/A
-Log(PEL)	MG	Log(mol/m3)		N/A	N∕A	N/A
-Log(PCO)	MG		0.30	N/A	N/A	N/A
Log(GWP)	*****		N/A	N/A	N/A	N/A
Log(ODP)	*****		N/A	N/A	N/A	N/A
Log(AP)	*****		N/A	N/A	N/A	N/A
-Log(EUAC)	MG	Log(cas/kg)	5.09	N/A	N/A	N/A
-Log(EUANonC)	*****	Log(cas/kg)	N/A	N/A	N/A	N/A
-Log(ERAC)	MG	Log(cas/kg)		N/A	N/A	N/A
-Log(ERANonC)	*****	Log(cas/kg)		N/A	N/A	N/A
-Log(EFWC)	MG	Log(cas/kg)		N/A	N/A	N/A
-Log(EFWNonC)	*****	Log(cas/kg)	N/A	N/A	N/A	N/A
-Log(ESWC)	MG	Log(cas/kg)		N/A	N/A	N/A
-Log(ESWNonC)	*****	Log(cas/kg)	N/A	N/A	N/A	N/A
-Log(ENSC)	MG	Log(cas/kg)		N/A	N/A	N/A
-Log(ENSNonC)	*****	Log(cas/kg)		N/A	N/A	N/A
-Log(EASC)	MG	Log(cas/kg)		N/A	N/A	N/A
-Log(EASNonC)	*****	Log(cas/kg)		N/A	N/A	N/A

Secondary Properties

Property	Method	Unit	Est.Value	Exp.Value	Rel.Error	Abs.Error
Ze	MG		0.254	N/A	N/A	N/A
Sfus	MG	J/(mol*K)	50.26	N/A	N/A	N/A
Vm[Tb]	MG	cm³/mol	417.90	N/A	N/A	N/A
Refractive Index	MG		1.27	N/A	N/A	N/A
Molar Refraction	*****		N/A	N/A	N/A	N/A
Closed Flash Temp.	CG	K	534.57	N/A	N/A	N/A
Open Flash Temp.	CG	K	606.27	N/A	N/A	N/A
Dipolar moment	*****	debve	N/A	N/A	N/A	N/A
Dielectric const.	*****	•	N/A	N/A	N/A	N/A
Henry[298K]	*****	bar*m3/mol	N/A	N/A	N/A	N/A
McGowan Volume	Wilson	cm³/mol	273.89	N/A	N/A	N/A

MG = Marrero and Gani method GG = Constantinou and Gani method JR = Joback and Reid method Vilson = Vilson method ****** = Method not available

Functional Property (from MG) Diffusion coefficient at infinite dilution in water

Temp.(K)	Estimated Value (1.0E-5cm ² /s)
464.15 466.15 468.15 470.15 472.15	4.458 4.528 4.598 4.669 4.741
474.15 476.15 478.15 480.15 482.15 484.15	4.813 4.887 4.961 5.036 5.112 5.188

Functional Property (from MG) Liquid Density

Temp.(K)	Estimated	Value	(g/cm³)
464.15	1.8091		
466.15	1.8056		
468.15	1.8022		
470.15	1.7987		
472.15	1.7952		
474.15	1.7918		
476.15	1.7883		
478.15	1.7848		
480.15	1.7813		
482.15	1.7778		
484.15	1.7743		