

# Molecular Origami of $\text{P}(\text{CCl}_3)_2\text{Cl}_3^-$

given information

ElementNames	[ (P) (C) (C) (Cl) (Cl) (Cl) ]	
distance	195.670	$\text{P}^1\text{-C}^2$
distance	198.660	$\text{P}^1\text{-C}^1$
distance	202.850	$\text{P}^1\text{-Cl}^4$
distance	202.858	$\text{P}^1\text{-Cl}^5$
distance	202.858	$\text{P}^1\text{-Cl}^1$
angle	89.952	$\text{Cl}^4\text{-P}^1\text{-C}^1$
	283.8	$\text{Cl}^4\text{-C}^1$
angle	89.952	$\text{Cl}^5\text{-P}^1\text{-C}^1$
	283.8	$\text{Cl}^5\text{-C}^1$
angle	89.952	$\text{Cl}^1\text{-P}^1\text{-C}^1$
	283.8	$\text{Cl}^1\text{-C}^1$
angle	90.048	$\text{Cl}^4\text{-P}^1\text{-C}^2$
	282.	$\text{Cl}^4\text{-C}^2$
angle	90.048	$\text{Cl}^5\text{-P}^1\text{-C}^2$
	282.	$\text{Cl}^5\text{-C}^2$
angle	90.048	$\text{Cl}^1\text{-P}^1\text{-C}^2$
	282.	$\text{Cl}^1\text{-C}^2$
angle	119.999	$\text{Cl}^5\text{-P}^1\text{-Cl}^1$
	351.4	$\text{Cl}^5\text{-Cl}^1$
angle	120.000	$\text{Cl}^5\text{-P}^1\text{-Cl}^4$
	351.4	$\text{Cl}^5\text{-Cl}^4$
angle	120.000	$\text{Cl}^4\text{-P}^1\text{-Cl}^1$
	351.4	$\text{Cl}^4\text{-Cl}^1$
angle	179.999	$\text{C}^2\text{-P}^1\text{-C}^1$
	394.3	$\text{C}^2\text{-C}^1$
dopage	T	
AutoAlign	F	

structure type: XABCDE

# Molecular Origami of $P(\text{CCl}_3)_2\text{Cl}_3^\wedge$

!P1

C1

C2

Cl1

Cl4

Cl5

$P(\text{CCl}_3)_2\text{Cl}_3^\wedge$

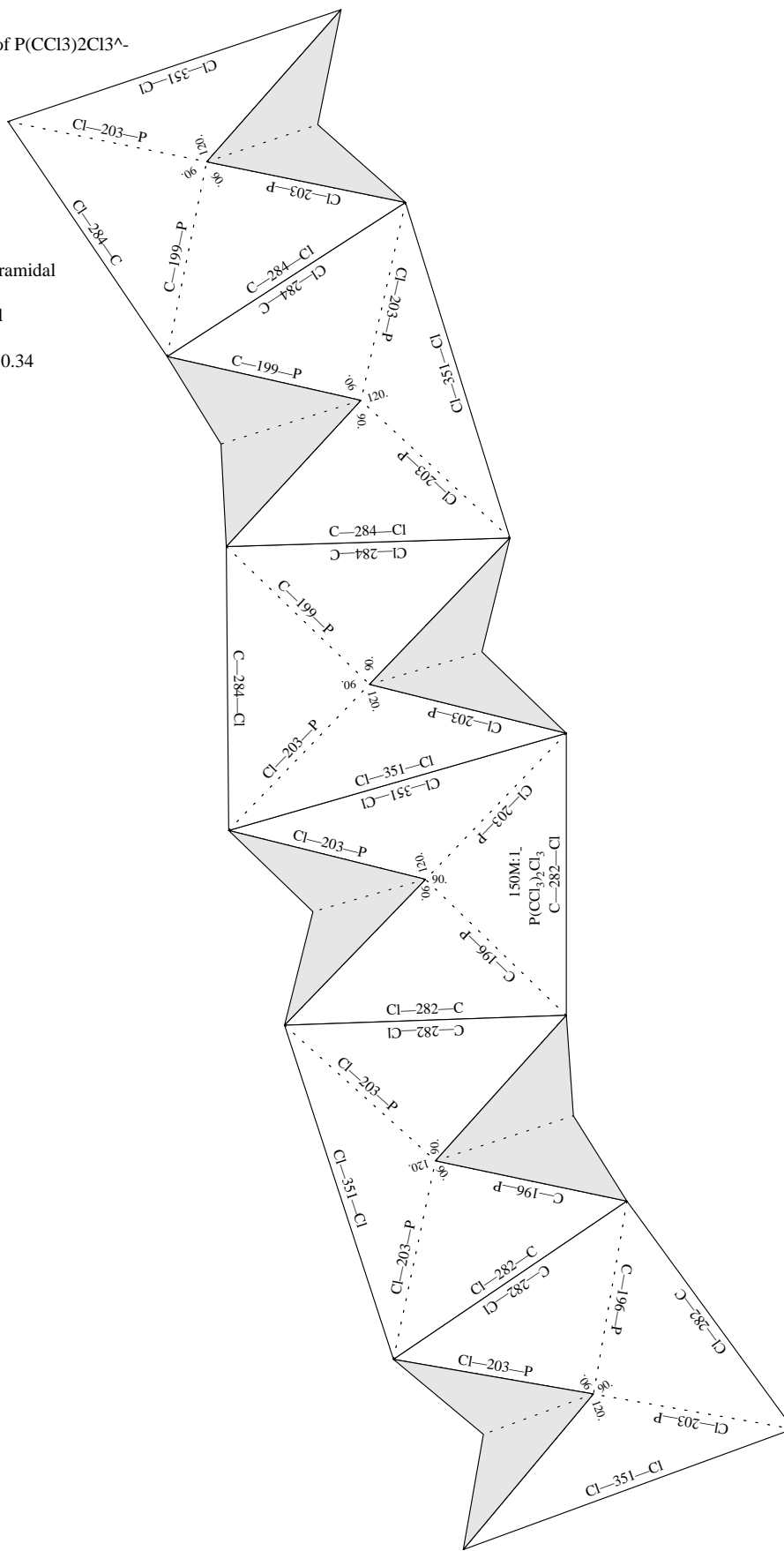
special trigonal bipyramidal

scale 150,000,000 : 1

units: pm

offsetx 0.13 offsety 0.34

View -1



Current: (centerx 4.43) (centery 5.34) (scale 150)

%%BoundingBox: 131 90 485 764

actual: 141 100 475 754

center: 308 427

actual size: 334 655

Better: (centerx 4.40) (centery 4.91) (scale 150)

%%BoundingBox: 138 83 492 758

actual: 148 93 482 748

center: 315 420

actual size: 334 655