

Molecular Origami of $\text{Ti}(\text{CO})_6^{2-}$ -
given information

ElementNames	[(Ti) (C) (C) (C) (C) (C) (C)]	
distance	203.454	$\text{Ti}^1\text{-C}^6$
distance	203.454	$\text{Ti}^1\text{-C}^3$
distance	203.668	$\text{Ti}^1\text{-C}^5$
distance	203.668	$\text{Ti}^1\text{-C}^2$
distance	204.028	$\text{Ti}^1\text{-C}^4$
distance	204.028	$\text{Ti}^1\text{-C}^1$
angle	87.538	$\text{C}^6\text{-Ti}^1\text{-C}^5$
	281.6	$\text{C}^6\text{-C}^5$
angle	87.538	$\text{C}^3\text{-Ti}^1\text{-C}^2$
	281.6	$\text{C}^3\text{-C}^2$
angle	88.313	$\text{C}^6\text{-Ti}^1\text{-C}^4$
	283.9	$\text{C}^6\text{-C}^4$
angle	88.313	$\text{C}^3\text{-Ti}^1\text{-C}^1$
	283.9	$\text{C}^3\text{-C}^1$
angle	88.852	$\text{C}^5\text{-Ti}^1\text{-C}^4$
	285.4	$\text{C}^5\text{-C}^4$
angle	88.852	$\text{C}^2\text{-Ti}^1\text{-C}^1$
	285.4	$\text{C}^2\text{-C}^1$
angle	91.148	$\text{C}^4\text{-Ti}^1\text{-C}^2$
	291.2	$\text{C}^4\text{-C}^2$
angle	91.148	$\text{C}^5\text{-Ti}^1\text{-C}^1$
	291.2	$\text{C}^5\text{-C}^1$
angle	91.687	$\text{C}^4\text{-Ti}^1\text{-C}^3$
	292.3	$\text{C}^4\text{-C}^3$
angle	91.687	$\text{C}^6\text{-Ti}^1\text{-C}^1$
	292.3	$\text{C}^6\text{-C}^1$
angle	92.462	$\text{C}^5\text{-Ti}^1\text{-C}^3$
	294.	$\text{C}^5\text{-C}^3$
angle	92.462	$\text{C}^6\text{-Ti}^1\text{-C}^2$
	294.	$\text{C}^6\text{-C}^2$
angle	179.999	$\text{C}^6\text{-Ti}^1\text{-C}^3$
	406.9	$\text{C}^6\text{-C}^3$
angle	179.999	$\text{C}^5\text{-Ti}^1\text{-C}^2$
	407.3	$\text{C}^5\text{-C}^2$
angle	179.999	$\text{C}^4\text{-Ti}^1\text{-C}^1$
	408.1	$\text{C}^4\text{-C}^1$
dopage	T	
AutoAlign	F	

structure type: XABCDEF

!Ti1
C1
C2
C3
C4
C5
C6
Ti(CO)6^2-

```
scale 125,000,000 : 1
units: pm
offsetx -0.03 offsety 0.18
```

actual size: 308 621

actual size: 308 621