

1840
ED

C₄H₁₂AuP

Methyl(trimethylphosphine)gold(I)

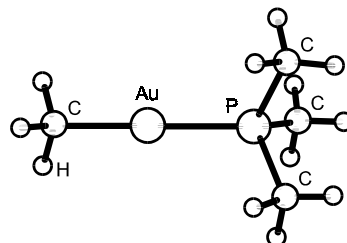
C_{3v}
H₃C–Au–P(CH₃)₃

r_a	\AA^a	θ_a	deg^a
Au–P	2.280(5)	P–Au–C	180 ^b
Au–C	2.034(12)	Au–P–C	115.2(3)
P–C	1.829(6)	C–P–C	103.2(3)
C–H (average)	1.078(4)	H–C–H	108(3)

The CH₃ groups are in staggered conformation.
The nozzle temperature was 105 °C.

^a) Estimated standard errors including a systematic error.

^b) Assumed by symmetry.



Haaland, A., Hougen, J., Volden, H.V., Puddephatt, R.J.: J. Organomet. Chem. **325** (1987) 311.