

# Triphenyl phenylethynyl tin

**Inchi:** InChI=1S/C8H5.3C6H5.Sn/c1-2-8-6-4-3-5-7-8;3\*1-2-4-6-5-3-1;/h3-7H;3\*1-5H;  
**InchiKey:** LQCOSCHQCHLTJW-UHFFFAOYSA-N  
**Formula:** C<sub>26</sub>H<sub>20</sub>Sn  
**SMILES:** C(#C[Sn](c1cccc1)(c1cccc1)c1cccc1)c1cccc1  
**Mol. weight [g/mol]:** 451.15  
**CAS:** 1247-08-1

## Physical Properties

Property code	Value	Unit	Source
chs	-14266.50 ± 7.30	kJ/mol	NIST Webbook
hf	736.90 ± 8.30	kJ/mol	NIST Webbook
hfs	599.30 ± 8.10	kJ/mol	NIST Webbook
hsub	137.60 ± 2.00	kJ/mol	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	447.50	J/mol×K	298.15	NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C1247081&Units=SI>

## Legend

**chs:** Standard solid enthalpy of combustion  
**cps:** Solid phase heat capacity  
**hf:** Enthalpy of formation at standard conditions

**hfs:** Solid phase enthalpy of formation at standard conditions

**hsub:** Enthalpy of sublimation at standard conditions

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