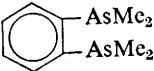
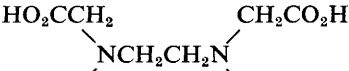


# Abbreviations

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acac	acetylacetonate anion
ASTP	tris( <i>o</i> -diphenylphosphinophenyl)arsine
ata	$\text{N}(\text{CH}_2\text{CO}_2)_3^{3-}$
azb	azobenzene
bipy	bipyridyl
bn	butylenediamine
CNDO	complete neglect of differential overlap
1,7-CTH	5,7,7,12,14,14-hexamethyl-1,4,8,11-tetrazacyclotetradecane
CyDTA	cyclohexanediaminotetra-acetic acid
DBM	dibenzoylmethane anion
depe	1,2-bisdiethylphosphinoethane
DHMB	Dewar hexamethylbenzene
diars	
diars'	$\text{Ph}_2\text{AsCH}_2\text{CH}_2\text{AsPh}_2$
dien	diethylenetriamine
dimetrien	$\text{H}_2\text{NCH}_2\text{CH}_2\text{NHCH}(\text{Me})\text{CH}(\text{Me})\text{NHCH}_2\text{CH}_2\text{NH}_2$
diphos } Pf-Pf }	$\text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2$
dmaq	8-dimethylarsinoquinoline
DMF	dimethylformamide
dmgH	dimethylglyoxime
dmg	monoanion of dimethylglyoxime
dppa	1,2-bisdiphenylphosphinoacetylene
dpt	dipropylene triamine
ED3A	$(\text{HO}_2\text{CCH}_2)_2\text{NCH}_2\text{CH}_2\text{NHCH}_2\text{CO}_2\text{H}$
EDDA	ethylenediaminediacetic acid
EDPA	
EDTA	$(\text{HO}_2\text{CCH}_2)_2\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{CO}_2\text{H})_2$
eee	$\text{H}_2\text{NCH}_2\text{CH}_2\text{SCH}_2\text{CH}_2\text{SCH}_2\text{CH}_2\text{NH}_2$
en	ethylenediamine

ffars	$n = 1, X = \text{Me}_2\text{As}$	$\left. \begin{array}{l} n = 1, X = \text{Ph}_2\text{P} \\ n = 2, X = \text{Ph}_2\text{P} \\ n = 4, X = \text{Ph}_2\text{P} \end{array} \right\} \begin{array}{c} \text{X} \quad \text{X} \\ \diagdown \quad / \\ \text{C} = \text{C} \\ / \quad \diagdown \\ (\text{CF}_2)_n \quad \text{CF}_2 \end{array}$
ffos	$n = 1, X = \text{Ph}_2\text{P}$	
f <sub>6</sub> fos	$n = 2, X = \text{Ph}_2\text{P}$	
f <sub>8</sub> fos	$n = 4, X = \text{Ph}_2\text{P}$	
H <sub>5</sub> DTPA	$(\text{HO}_2\text{CCH}_2)_2\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{CO}_2\text{H})\text{CH}_2\text{CH}_2\text{N}-$ $(\text{CH}_2\text{CO}_2\text{H})_2$	
hfac	hexafluoroacetylacetonato	
NTA	$\text{R} = \text{CH}_2\text{CO}_2\text{H}$	$\left. \begin{array}{l} \text{R} = \text{Me} \\ \text{R} = \text{H} \end{array} \right\} \text{RN}(\text{CH}_2\text{CO}_2\text{H})_2$
MIDA	$\text{R} = \text{Me}$	
IDA	$\text{R} = \text{H}$	
4-mpdpa	4-methyl-2-pyridyldi-(2-pyridyl)amine	
OECy	—SCH <sub>2</sub> CH(NH <sub>2</sub> )CO <sub>2</sub> Et	
PDTA	propylenediaminetetra-acetic acid	
Pf=Pf	Ph <sub>2</sub> PCH=CHPPh <sub>2</sub>	
phen	1,10-phenanthroline	
pic	picoline	
γ-picO	γ-picoline <i>N</i> -oxide	
Pm-Pm	Me <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PMe <sub>2</sub>	
pn	propylenediamine	
PTAS	tris( <i>o</i> -diphenylarsinophenyl)phosphine	
py	pyridine	
pyO	pyridine <i>N</i> -oxide	
QP	tris( <i>o</i> -diphenylphosphinophenyl)phosphine	
R-en	RNHCH <sub>2</sub> CH <sub>2</sub> NH <sub>2</sub>	
sal	salicylate anion	
salen	<i>NN'</i> -ethylenebis(salicylaldiminato)	
SBTP	tris( <i>o</i> -diphenylphosphinophenyl)stibine	
SMCy	MeSCH <sub>2</sub> CH(NH <sub>2</sub> )CO <sub>2</sub> <sup>-</sup>	
tcne	tetracyanoethylene	
terpy	2,2',2''-terpyridyl	
terpyO <sub>3</sub>	2,2',2''-terpyridyl <i>NN'N''</i> -trioxide	
tetren	tetraethylenepentamine	
THF	tetrahydrofuran	
TMED	Me <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NMe <sub>2</sub>	
TPP	tetraphenylporphorin	
trien	triethylenetetramine	
tripyam	tri-(2-pyridyl)amine	
TTA	anion of thenoyltrifluoroacetone	
TTN	1,1,1-tris(dimethylaminomethyl)ethane	
tu	thiourea	