

Table 1. Partial list of organic functional groups solved by CP.

Continuous-chain alkanes	Nitriles	Pyridine
Branched alkanes	Thiols	Pyrimidine
Alkenes	Sulfides	Pyrazine
Branched alkenes	Disulfides	Quinoline
Alkynes	Sulfoxides	Isoquinoline
Alkyl fluorides	Sulfones	Indole
Alkyl chlorides	Sulfites	Adenine
Alkyl bromides	Sulfates	Fullerene (C ₆₀)
Alkyl iodides	Nitroalkanes	Graphite
Alkenyl halides	Alkyl nitrates	Alkali Hydrides
Aryl halides	Alkyl nitrites	Alkali Metals
Alcohols	Conjugated alkenes	Silanes
Ethers	Conjugated polyenes	Boron
Primary amines	Aromatics	Aloxy boranes
Secondary amines	Napthalene	Alkyl borinic acids
Tertiary amines	Toluene	Alkyl boranes
Aldehydes	Chlorobenzene	Tertiary N-borane
Ketones	Phenol	Quaternary N-borane
Carboxylic acids	Aniline	Halido boranes
Carboxylic acid esters	Aryl nitro compounds	Alkyl aluminum Hydrides
Amides	Benzoic acid compounds	Transition Metal Coordinate Compounds
N-alkyl amides	Anisole	Transition Metal Organometallics
N,N-dialkyl amides	Pyrrole	Transition Metal Carbonyls
Urea	Furan	Tin Halides and Oxides
Carboxylic acid halides	Thiophene	Alkyl, Vinyl, Aryl, and Halido Stannanes and Distannanes
Carboxylic acid anhydrides	Imidazole	
