

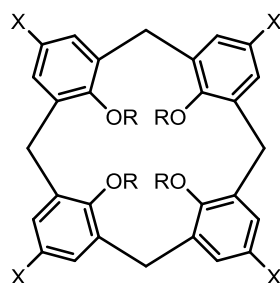
X4C is a recently created spin-off company from Brussels University (ULB) that wants to become a leader in innovative surface coating solutions for high-end applications (diagnostic, medical devices, (bio)electronic and optic).



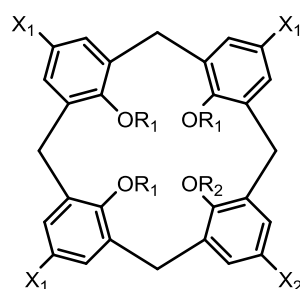
Calix[4]arenes

X4C provides a wide range of calix[4]arenes bearing amino or diazonium groups on the large rim and various functional groups on the small rim. Moreover, X4C develops tailored calix[4]arenes on request. Amounts of 50 mg, 100 mg, 250 mg and 1g can be ordered. If you are interested in larger amounts of calixarenes, please let us know and we will promptly study your request.

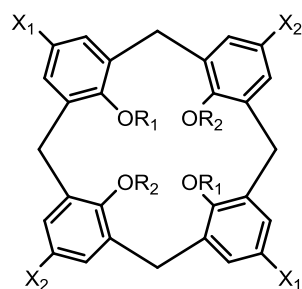
Request a quote by email: info@x4c.eu.

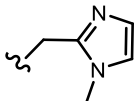
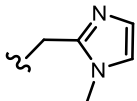


Calix[4]arene diazonium (X = N ₂ ⁺ BF ₄ ⁻)	Ref #	Calix[4]arene aniline (X = NH ₂)	Ref #
R = -CH ₂ -COOH	X4C 0001	R = -CH ₂ -COOH	X4C 0101
R = -Pr	X4C 0002	R = -Pr	X4C 0102
R = -(CH ₂) ₃ -CF ₃	X4C 0003	R = -(CH ₂) ₃ -CF ₃	X4C 0103
R = -(CH ₂) ₃ -C ₄ F ₉	X4C 0004	R = -(CH ₂) ₃ -C ₄ F ₉	X4C 0104
R = -(CH ₂ -CH ₂ -O) ₄ -CH ₃	X4C 0005	R = -(CH ₂ -CH ₂ -O) ₄ -CH ₃	X4C 0105
		R = -CH ₂ -CONH-(CH ₂ -CH ₂ -O) ₇ -CH ₃	X4C 0106
		R = -CH ₂ -CONH-(CH ₂ -CH ₂ -O) ₇ -CH ₂ C≡CH	X4C 0107



Calix[4]arene diazonium (X = N ₂ ⁺ BF ₄ ⁻)	Ref #	Calix[4]arene aniline (X = NH ₂)	Ref #
X ₁ = X ₂ = N ₂ ⁺ BF ₄ ⁻ ; R ₁ = -Pr and R ₂ = -CH ₂ -COOH	X4C 0006	X ₁ = X ₂ = NH ₂ ; R ₁ = -Pr and R ₂ = -CH ₂ -COOH	X4C 0108
X ₁ = X ₂ = N ₂ ⁺ BF ₄ ⁻ ; R ₁ = -(CH ₂) ₃ -CF ₃ and R ₂ = -CH ₂ -COOH	X4C 0007	X ₁ = X ₂ = NH ₂ ; R ₁ = -(CH ₂) ₃ -CF ₃ and R ₂ = -CH ₂ -COOH	X4C 0109
X ₁ = X ₂ = N ₂ ⁺ BF ₄ ⁻ ; R ₁ = -(CH ₂ -CH ₂ -O) ₄ -CH ₃ and R ₂ = -(CH ₂ -CH ₂ -O) ₆ -CH ₂ -COOH	X4C 0008	X ₁ = X ₂ = NH ₂ ; R ₁ = -(CH ₂ -CH ₂ -O) ₄ -CH ₃ and R ₂ = -(CH ₂ -CH ₂ -O) ₆ -CH ₂ -COOH	X4C 0110
X ₁ = N ₂ ⁺ BF ₄ ⁻ and X ₂ = H; R ₁ = -CH ₂ -COOH	X4C 0009	X ₁ = NH ₂ and X ₂ = H; R ₁ = -CH ₂ -COOH	X4C 0111



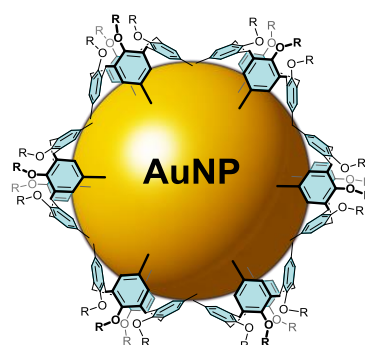
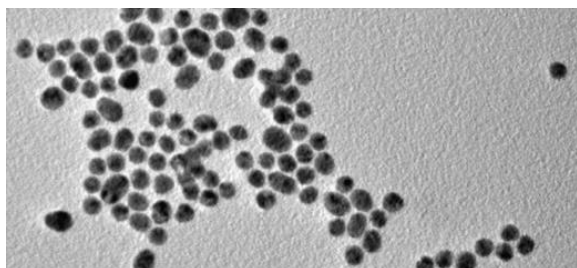
Calix[4]arene diazonium (X = N ₂ ⁺ BF ₄ ⁻)	Ref #	Calix[4]arene aniline (X = NH ₂)	Ref #
R ₁ = -Pr and R ₂ = 	X4C 0010	R ₁ = -Pr and R ₂ = 	X4C 0112

Nanoparticles

X4C provides very stable gold nanoparticles (AuNP) coated by a monolayer of calix[4]arenes bearing various functional groups.

If you are interested in other types of coated nanoparticles (i.e. other metals or metal oxides), please let us know and we will promptly study your request.

Request a quote by email: info@x4c.eu.



R = eg. CH₂-COOH, OEG, etc.