Drug vectorization using engineered-surface Metal-Organic Frameworks

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The involvement of Metal-Organic Frameworks (MOFs) in biomedical applications is currently one of the hot topics in the emerging field of hybrid porous solids.[1] In particular, nanometric MOFs (nanoMOFs) have recently attracted a great deal of attention owing to their large porosity and versatile composition, enabling to entrap remarkable loadings of a wide variety of challenging active molecules and progressive releases, together with imaging properties.[2] However, for the practical use of MOF nanocarriers, it is necessary to investigate their toxicity[3] and biodistribution[3,4] by the different administration routes.[5]

References

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