

New



CHEMISTRY



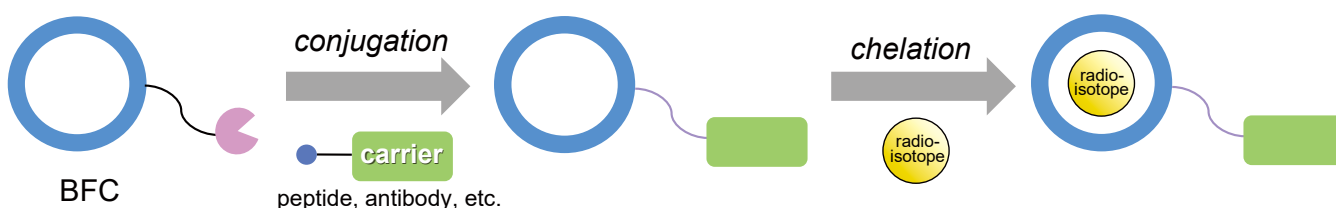
LIFE SCIENCE



Bifunctional Chelators (BFCs) for Radiopharma Development

Theranostics which uses chelators with appropriate radioisotopes as a drug for both diagnosis and treatment in the field of radiotherapy, is gaining more attention.¹⁾ TCI offers bifunctional chelators (BFCs) for research purposes, incorporating bioconjugatable functional groups into DOTA (the most commonly used chelator in radiotherapy), and NODAGA, which can chelate metals at lower temperatures than DOTA.^{2,3)}

References 1) *Molecules* **2022**, *27*, 3062. <https://doi.org/10.3390/molecules27103062>
2) *Chem. Soc. Rev.* **2014**, *43*, 260. <https://doi.org/10.1039/C3CS60304K>
3) *Curr. Opin. Chem. Biol.* **2021**, *60*, 79. <https://doi.org/10.1016/j.cbpa.2020.09.002>



	Azido Group	DBCO Group	Maleimido Group	Other Group
 DOTA	$R =$ 100mg [A3478]	$R =$ 10mg [D6006]	$R =$ 50mg [M3434]	$R =$ NHS Group HPF ₆ · xCF ₃ CO ₂ H 100mg [D6007]
 NODAGA	$R' =$ 50mg [A3699]	$R' =$ 50mg [N1307]	$R' =$ 50mg [M3771]	$R' =$ TCO Group 50mg [T4340]

Related Products

NODAGA-tris(*t*-Bu ester)
NOTA

Tri-*tert*-butyl 1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetate

200mg **[B6131]**
200mg / 1g **[T3910]**
200mg / 1g **[T2642]**

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