Syntheses, anti-cancer activity of CO-releasing molecules with targeting galactose receptor

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Experiments

SI-Fig. 1 The typical changes in the electronic spectrum of myoglobin as CO releasing from the different kinds of complexes (myoglobin binds one CO molecule to form carbonyl myoglobin.

**Complex 1**

**Complex Ac-1**

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Complex Ac-9

Complex 10

Complex Ac-10
SI-Figure 2  $^1$H-NMR, $^{13}$CNMR and ESI-HRMS of complexes

The ESI-HRMS of complex 1.

The $^1$H-NMR of complex 1.
The $^{13}$CNMR of complex 1

The ESI-HRMS of complex Ac-1
The $^1$H-NMR of complex Ac-1.

The $^{13}$C-NMR of complex Ac-1.
The ESI-HRMS of complex 2

The $^1$H-NMR of complex 2.
The $^{13}$CNMR of complex 2

The ESI-HRMS of complex Ac-2
The $^1$H-NMR of complex Ac-2.

The $^{13}$C-NMR of complex Ac-2
The ESI-HRMS of complex 3

The \(^1\)H-NMR of complex 3
The $^{13}$CNMR of complex 3

The $^1$H-NMR of complex Ac- 3
The $^{13}$CNMR of complex Ac-3

The ESI-HRMS of complex 4
The $^1$H-NMR of complex 4

The $^{13}$C-NMR of complex 4
The ESI-HRMS of complex Ac-4

The $^1$H-NMR of complex Ac-4
The $^{13}$CNMR of complex Ac-4

The $^1$H-NMR of complex 5
The ESI-HRMS of complex Ac-5

![ESI-HRMS spectrum of complex Ac-5](image1)

The $^1$H-NMR of complex Ac-5

![$^1$H-NMR spectrum of complex Ac-5](image2)
The $^{13}$CNMR of complex Ac-5

The ESI-HRMS of complex 6
The $^1$H-NMR of complex 6

The $^{13}$CNMR of complex 6
The ESI-HRMS of complex Ac-6

The $^1$H-NMR of complex Ac-6
The ESI-HRMS of complex 7

The $^1$H-NMR of complex 7
The ESI-HRMS of complex Ac-7

The $^1$H-NMR of complex Ac-7
The $^{13}$CNMR of complex Ac-7

The ESI-HRMS of complex 8
The $^1$H-NMR of complex 8

The $^{13}$CNMR of complex 8
The ESI-HRMS of complex Ac-8

The $^1$H-NMR of complex Ac-8
The $^{13}$CNMR of complex Ac-8

The ESI-HRMS of complex 9
The $^1$H-NMR of complex 9

The $^{13}$CNMR of complex 9
The ESI-HRMS of complex Ac-9

The $^1$H-NMR of complex Ac-9
The $^{13}$CNMR of complex Ac-9

The ESI-HRMS of complex 10
The $^1$H-NMR of complex 10

The $^{13}$CNMR of complex 10
The ESI-HRMS of complex Ac-10

The $^1$H-NMR of complex Ac-10
The $^{13}$CNMR of complex Ac-10