

Supplementary Information

Design, Synthesis and Biological Evaluation of novel Hedgehog Inhibitors for treating Pancreatic Cancer

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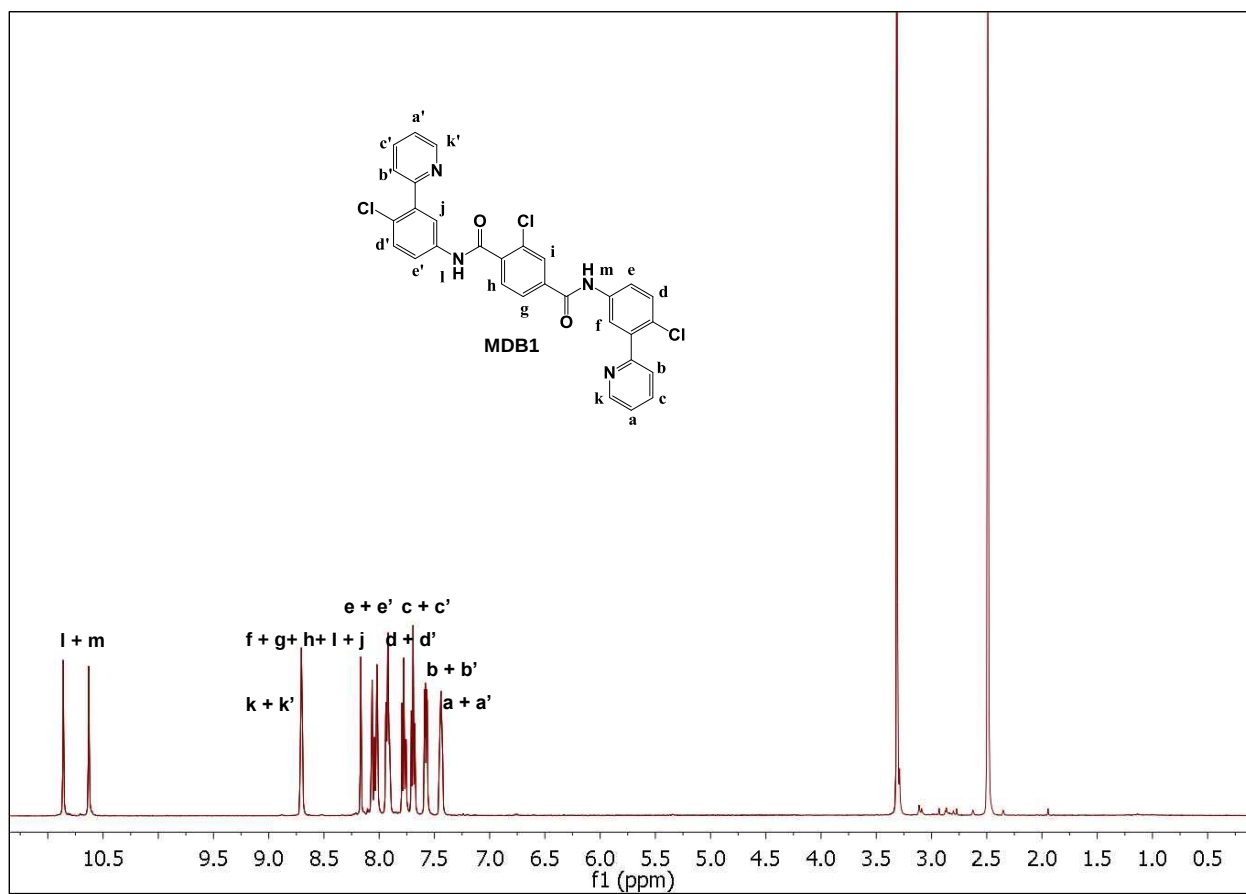


Fig. S1. ^1H -NMR of MDB1

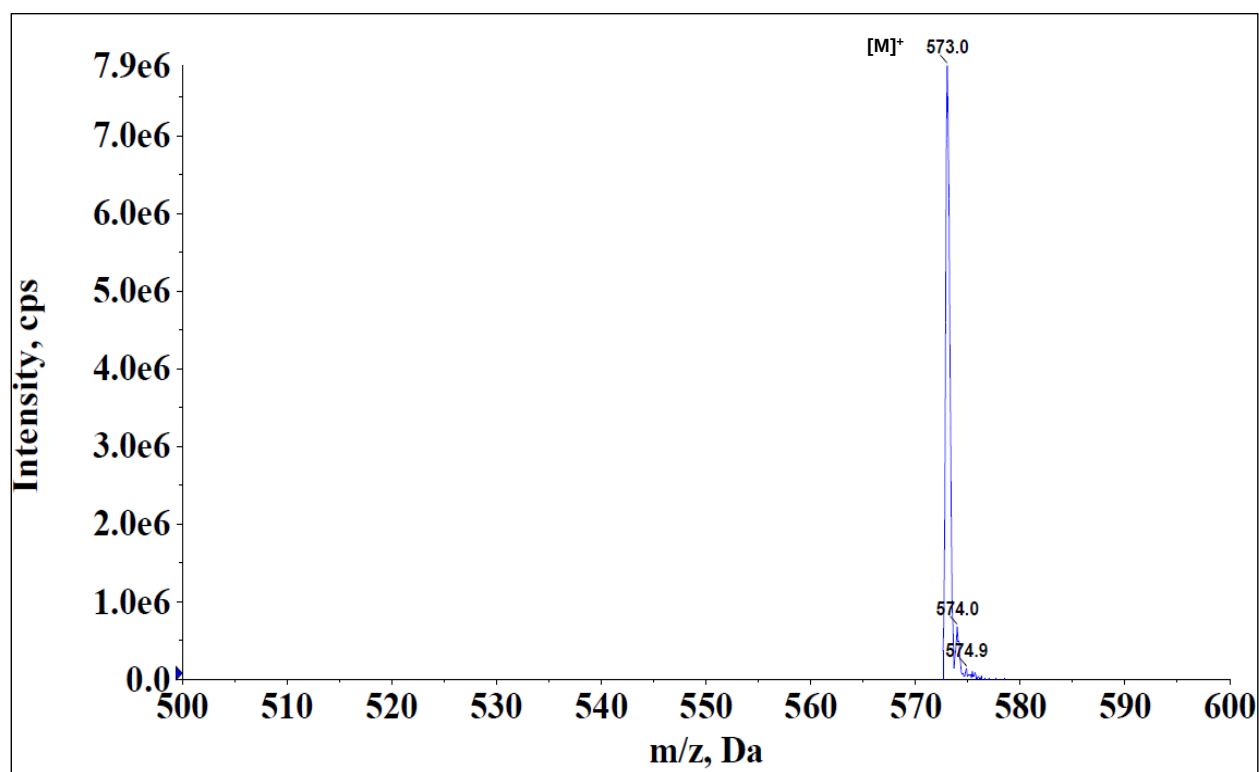


Fig. S2. QTRAP 4000 mass spectrometer of MDB1

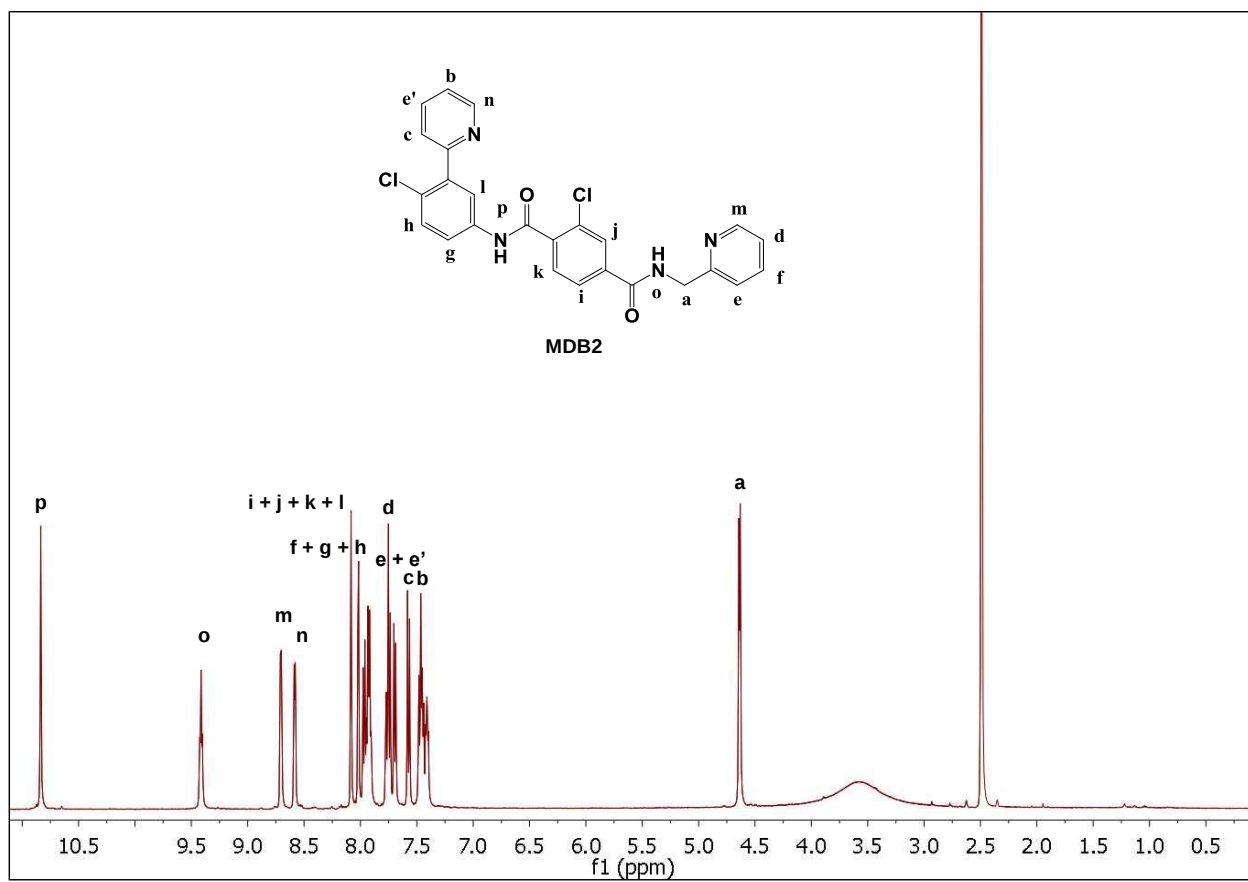


Fig. S3. ^1H -NMR of MDB2

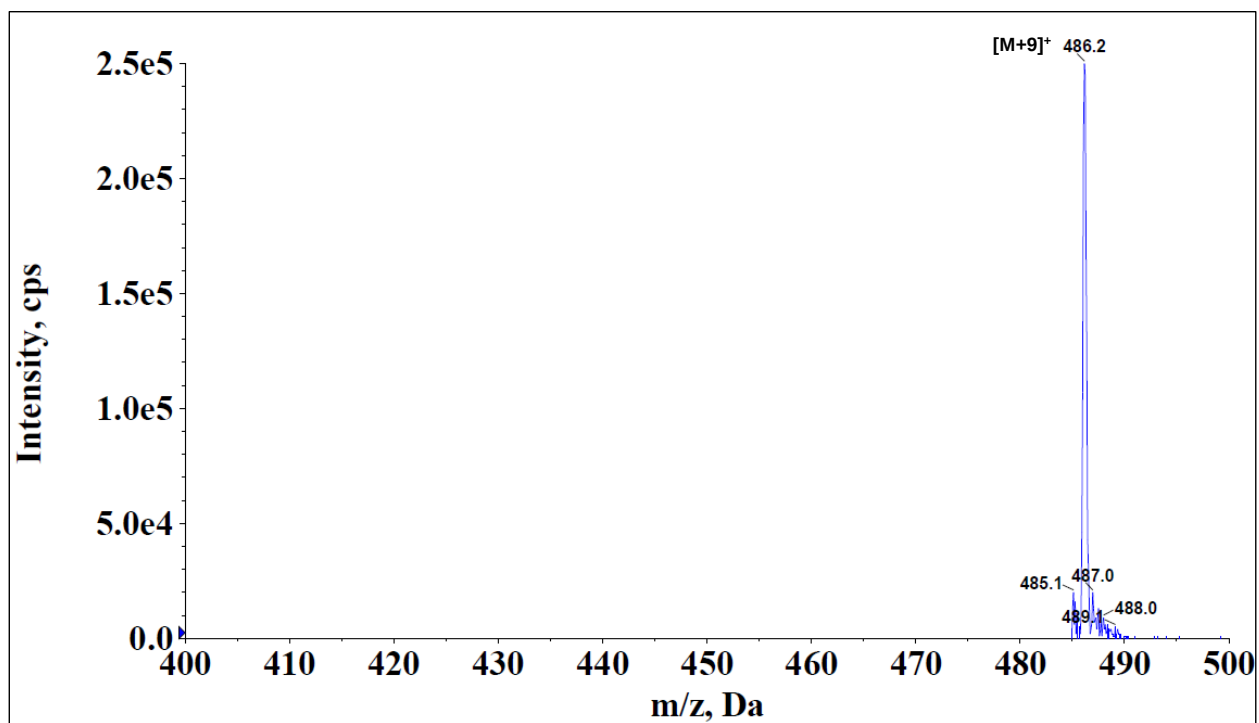


Fig. S4. QTRAP 4000 mass spectrometer of MDB2

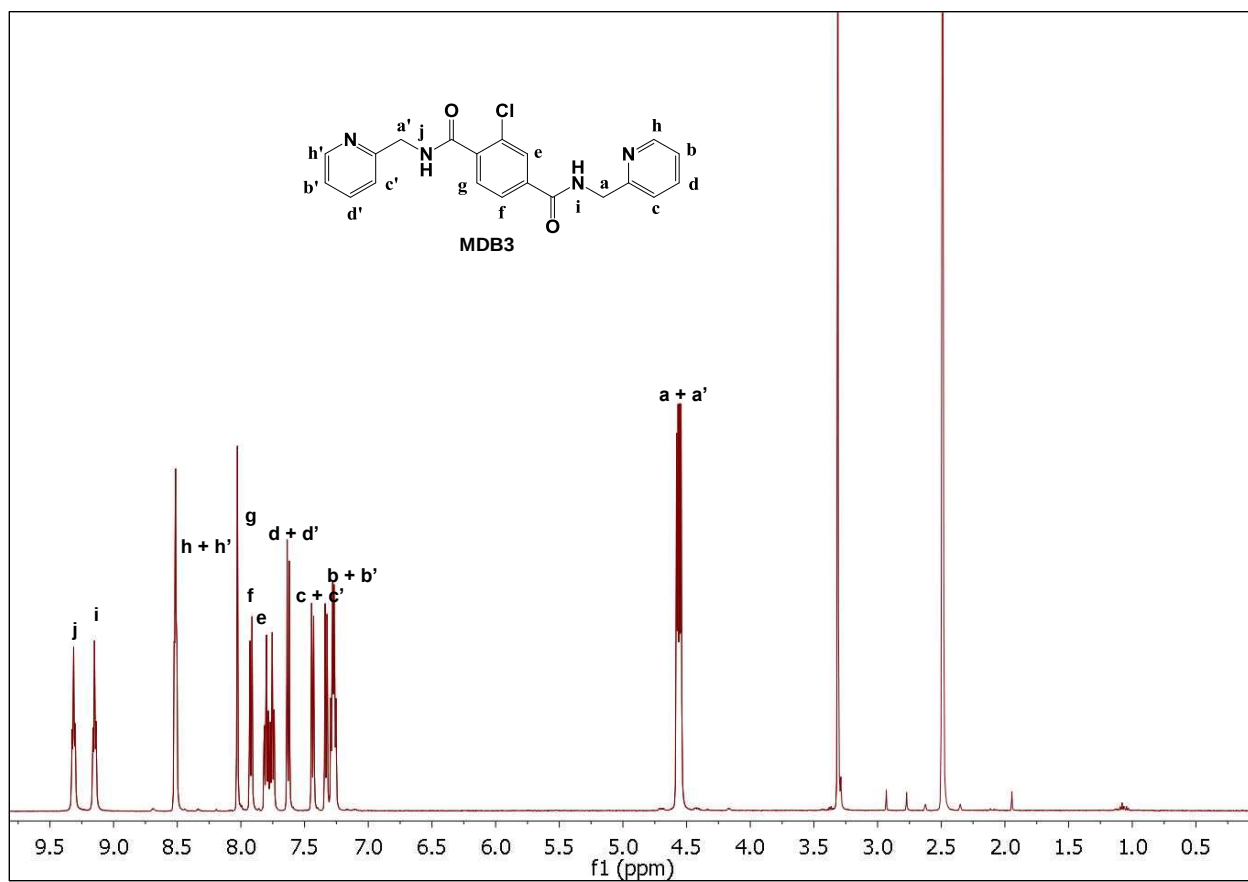


Fig. S5. ¹H-NMR of MDB3

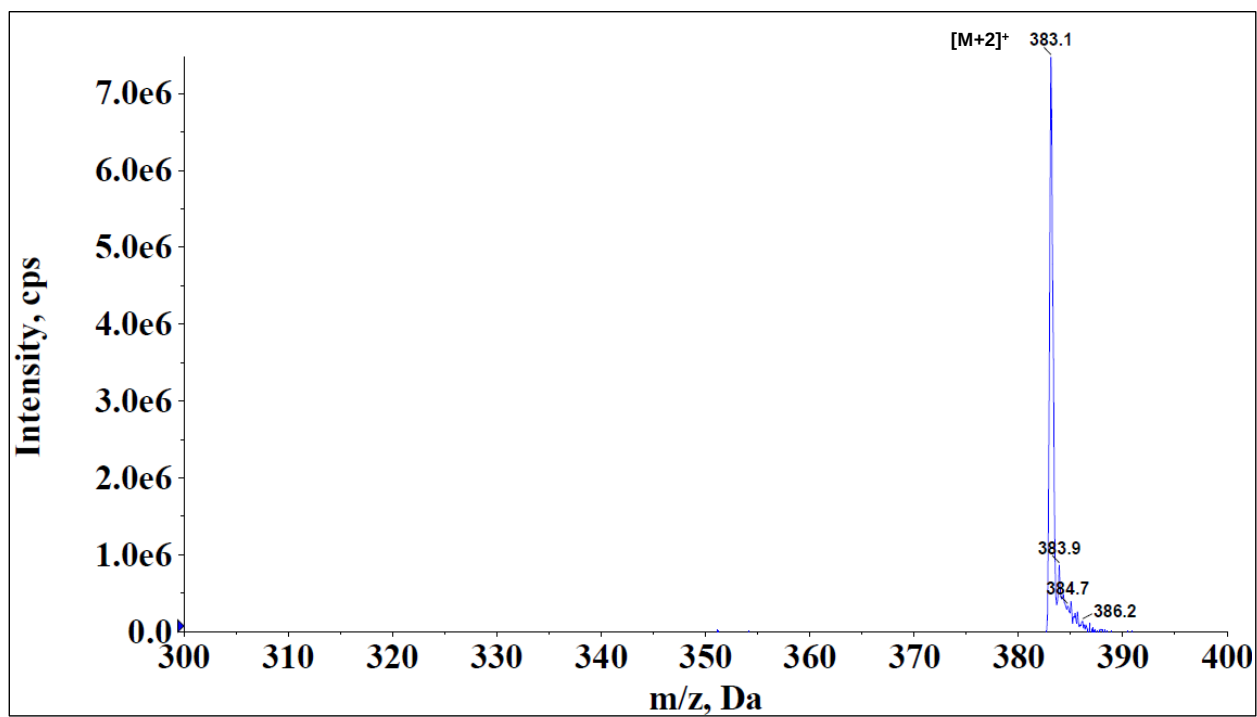


Fig. S6. QTRAP 4000 mass spectrometer of MDB3

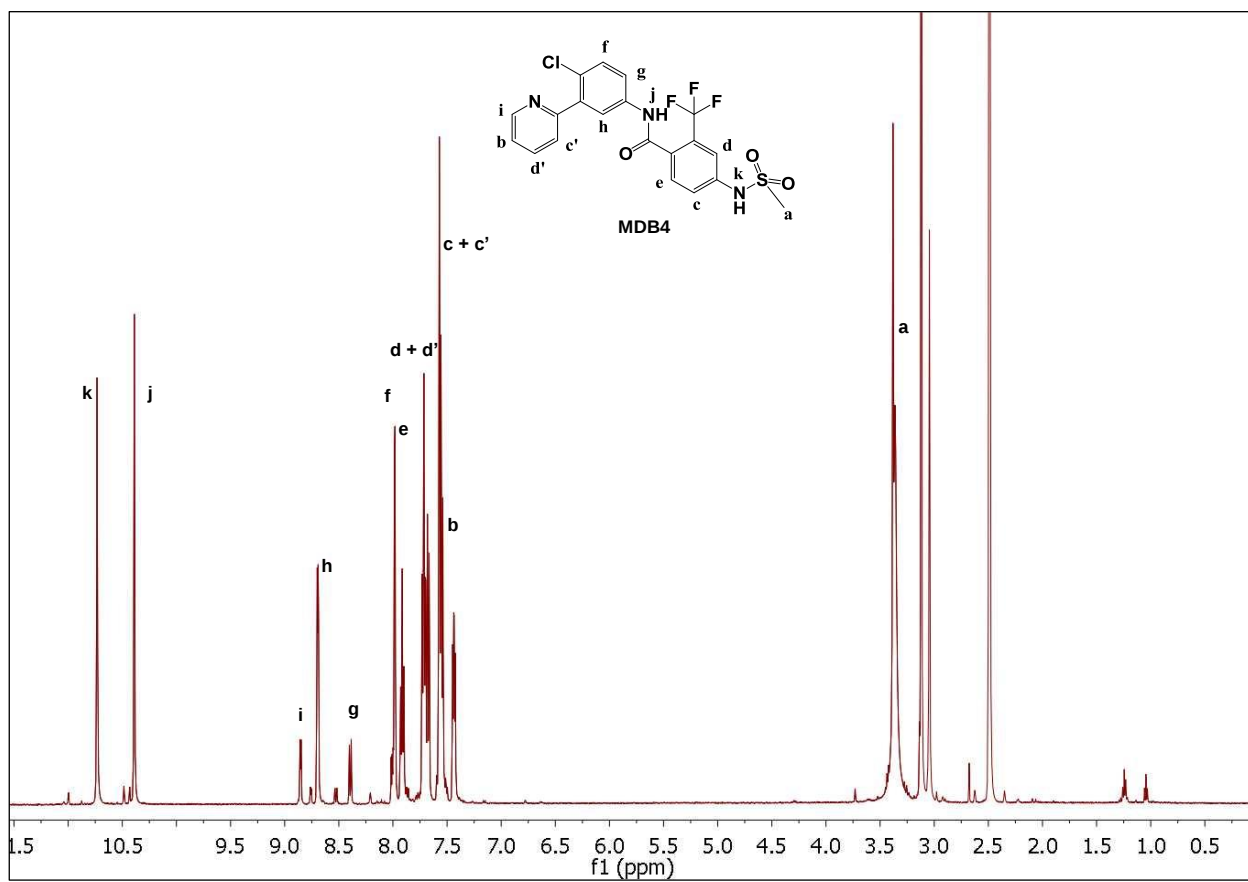


Fig. S7. ^1H -NMR of MDB4

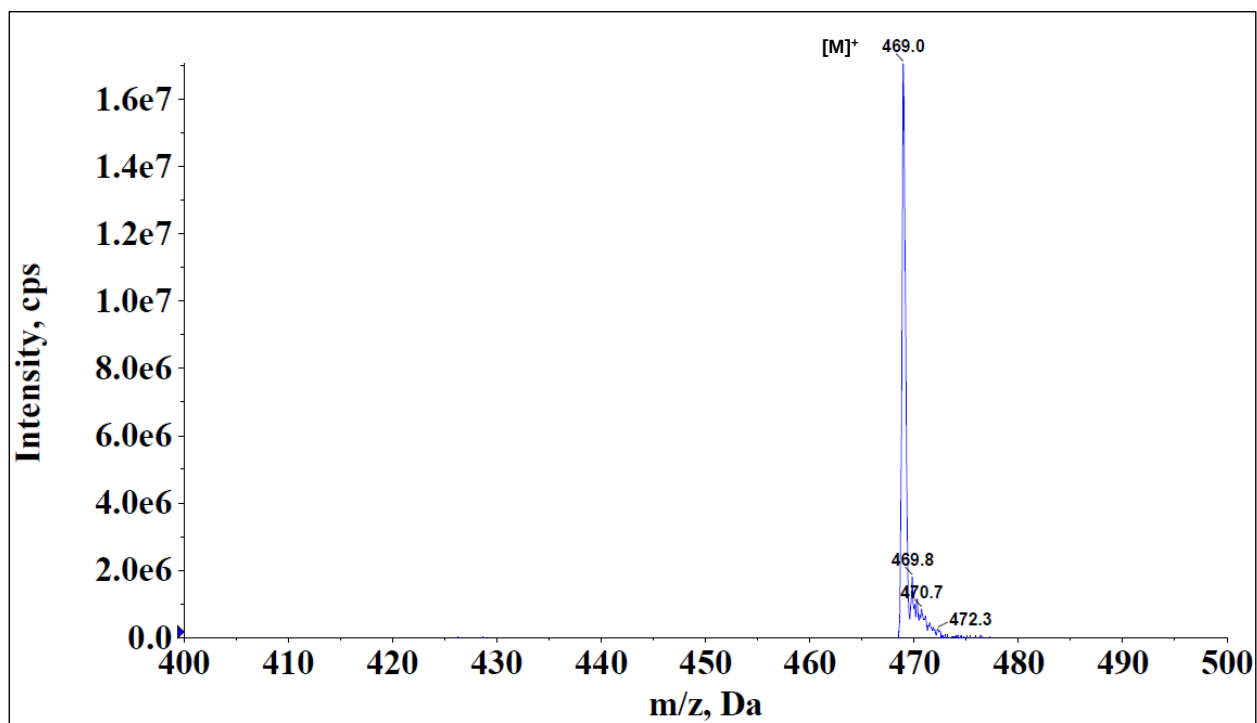


Fig. S8. QTRAP 4000 mass spectrometer of MDB4

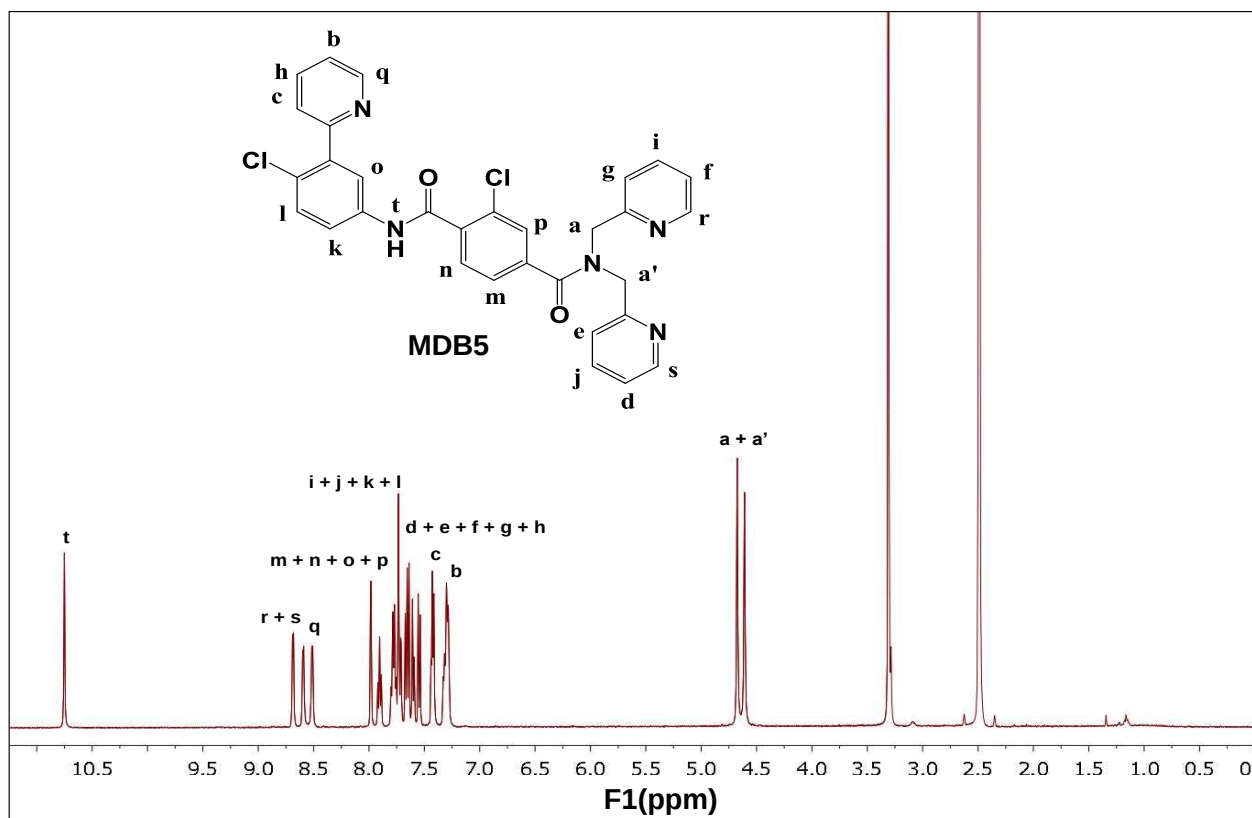


Fig. S9. ¹H-NMR of MDB5

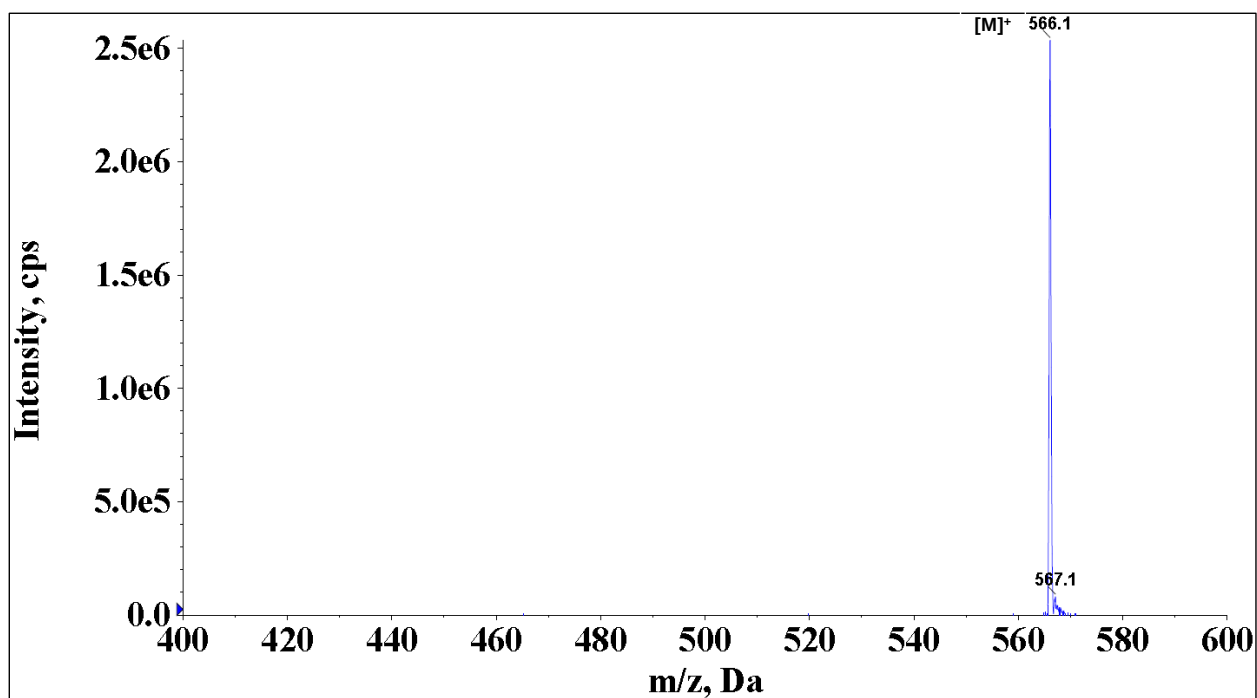


Fig. S10. QTRAP 4000 mass spectrometer of MDB5

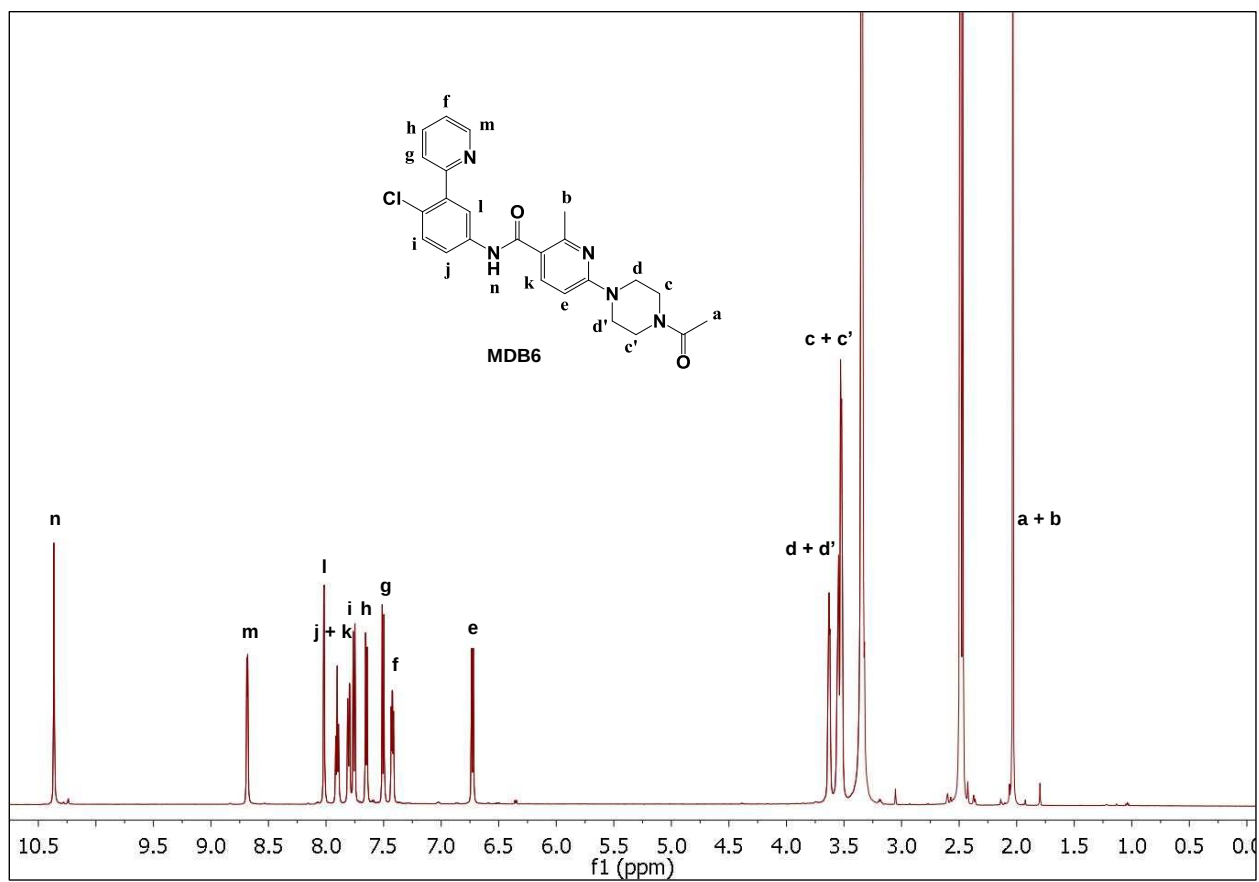


Fig. S11. ¹H-NMR of MDB6

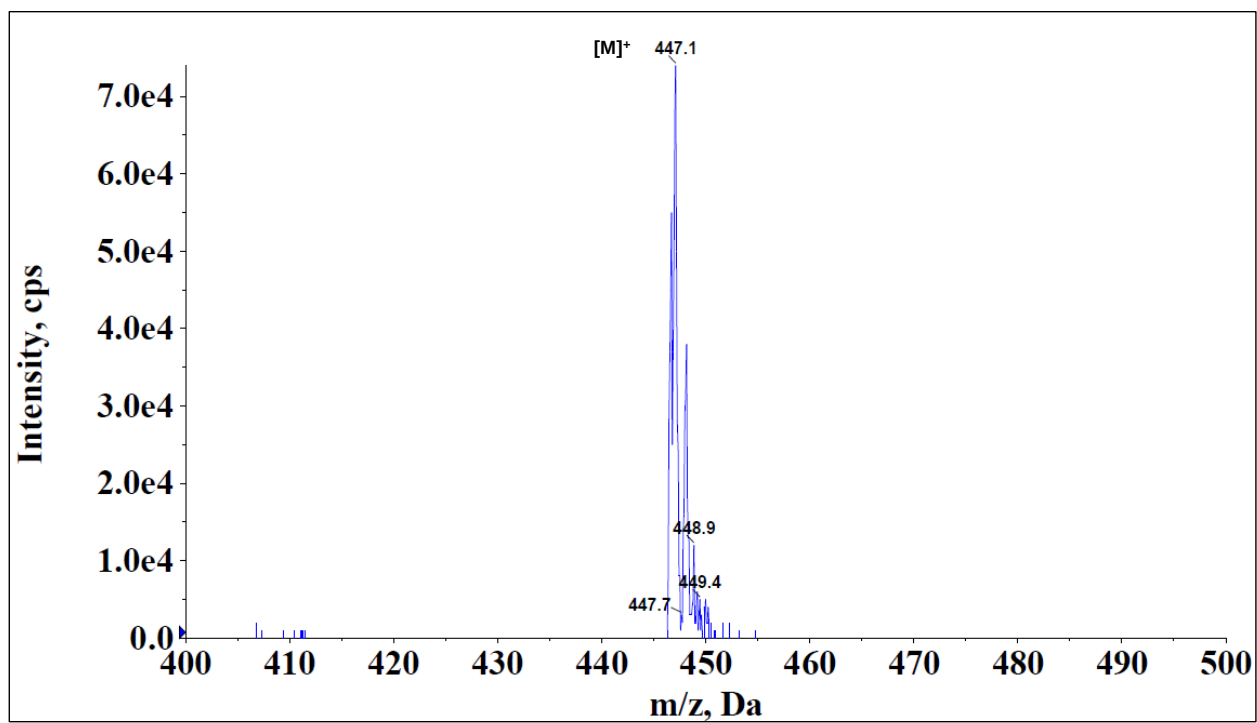


Fig. S12. QTRAP 4000 mass spectrometer of MDB6

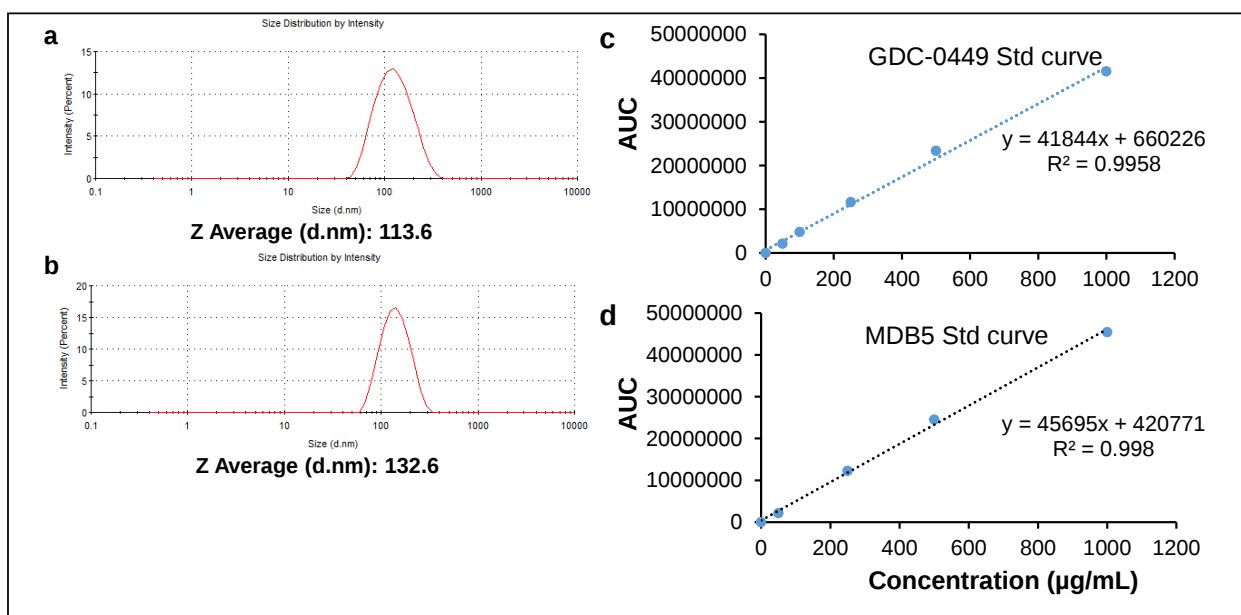


Fig. S13. Particle size distribution of **(a)** GDC-0449 and **(b)** MDB5 encapsulated nanoparticle using dynamic light scattering. Standard curve obtained from HPLC to calculate percentage of drug loading **(c)** for GDC-0449 and **(d)** for MDB5.

Figure 4a

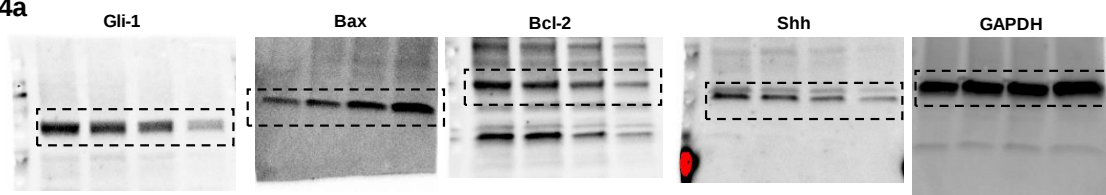


Figure 4c

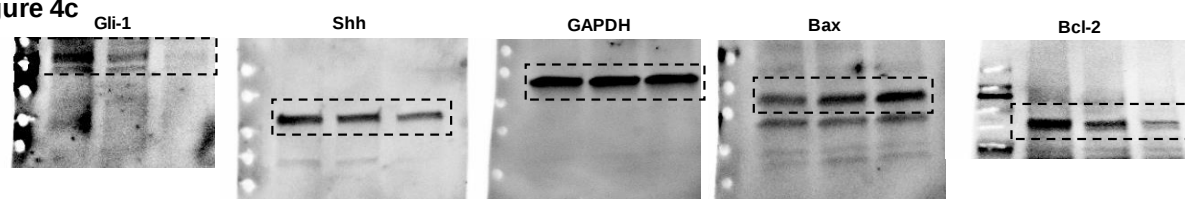


Figure 6a

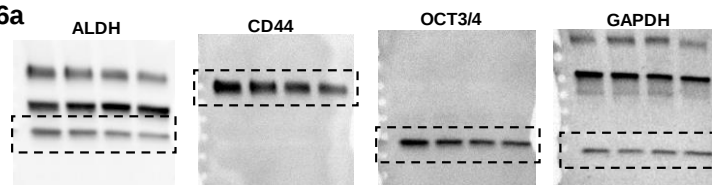


Fig. S14. Full-Length blots

Table S1. Blood chemistry.

Parameters	Control	20 mg/kg	40 mg/kg
Alanine Aminotransferase (ALT) U/L	26.4±3.91	32.0 ± 3.74	28.5 ± 6.35
Total Bilirubin (TBIL) mg/dL	0.28±0.04	0.22 ± 0.04	0.20