

Supporting Information

Bioluminescence imaging of carbon monoxide in cancer cells based on a selective deiodination reaction

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1. Cell culture

HEK 293T cells were purchased from the Committee on Type Culture Collection of Chinese Academy of Sciences. Huh7 (human liver cancers cell line) cells expressing firefly luciferase were supplied by Celcyto.

2. NMR and MS spectra of D-luciferin

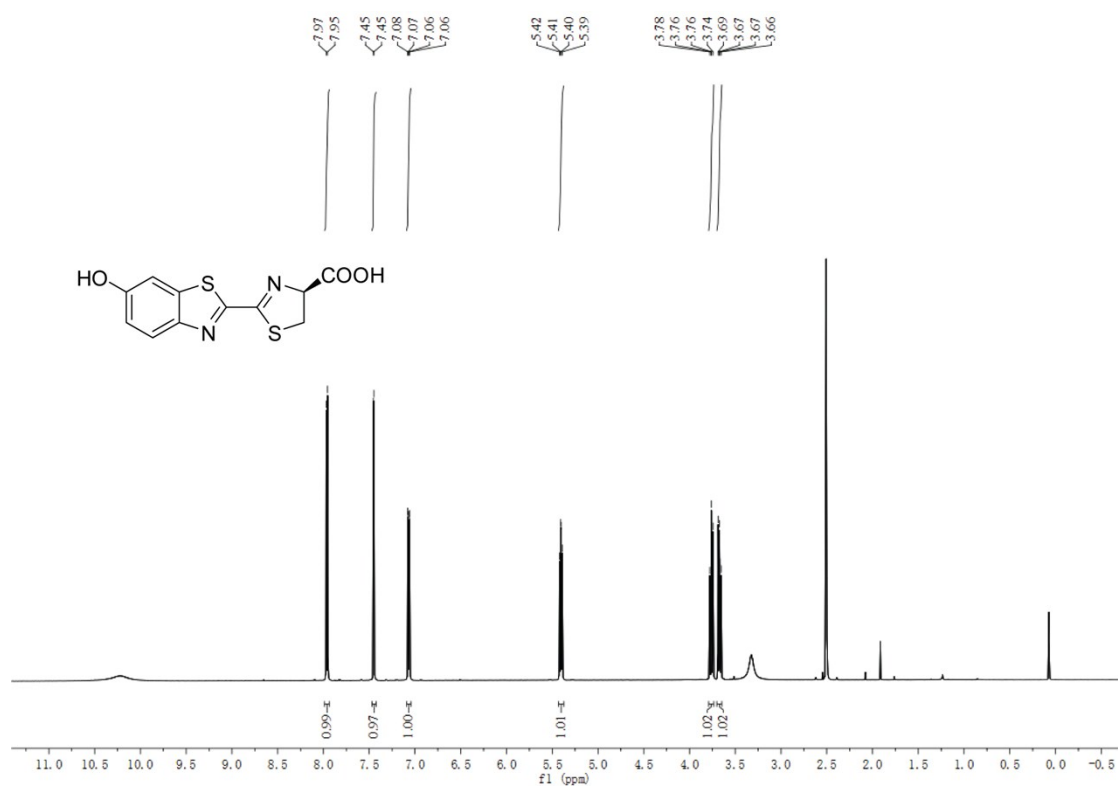


Figure S1. ¹H NMR spectrum of D-luciferin in DMSO-*d*₆.

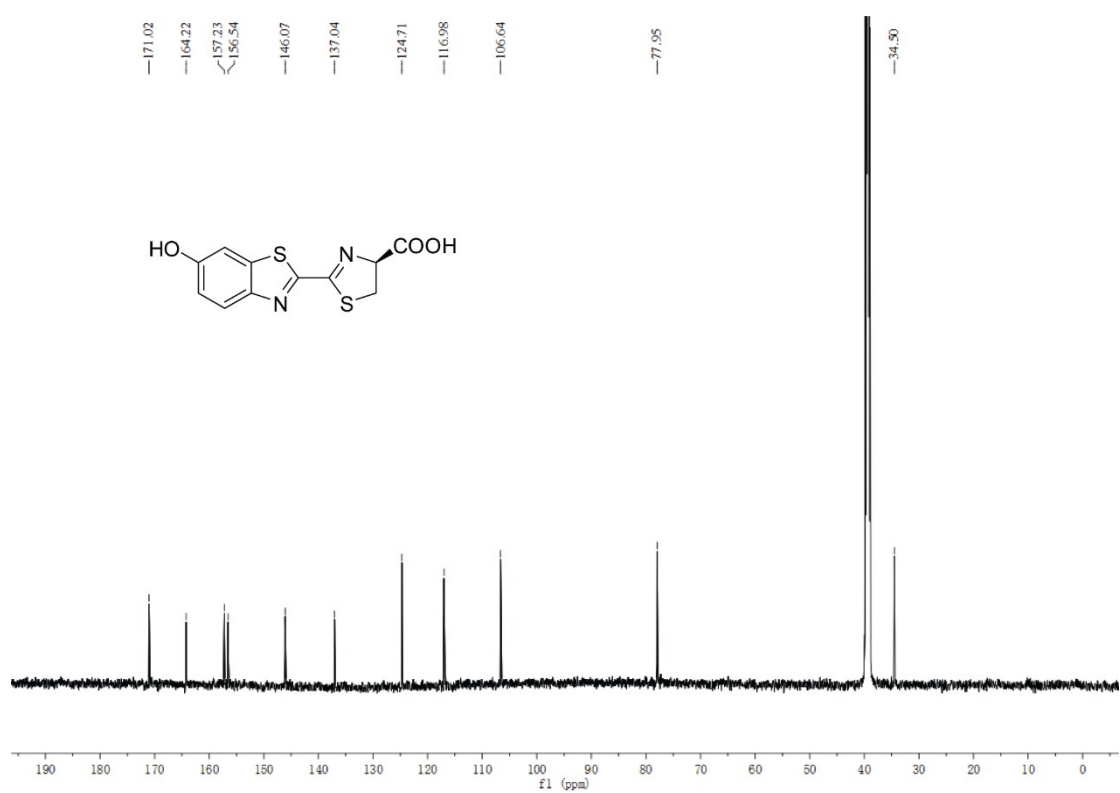


Figure S2. ¹³C NMR spectrum of D-luciferin in DMSO-*d*₆.

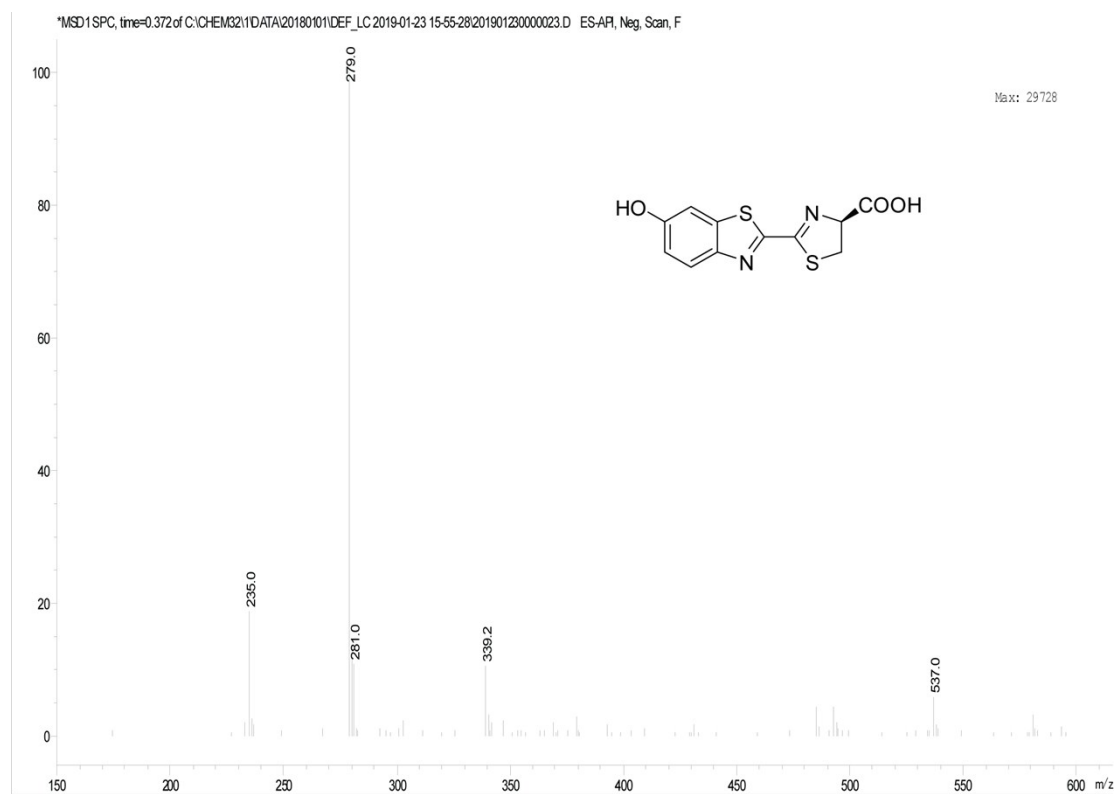


Figure S3. Mass spectrum of D-luciferin.

1. NMR and MS spectra of 7'-iodo-luciferin

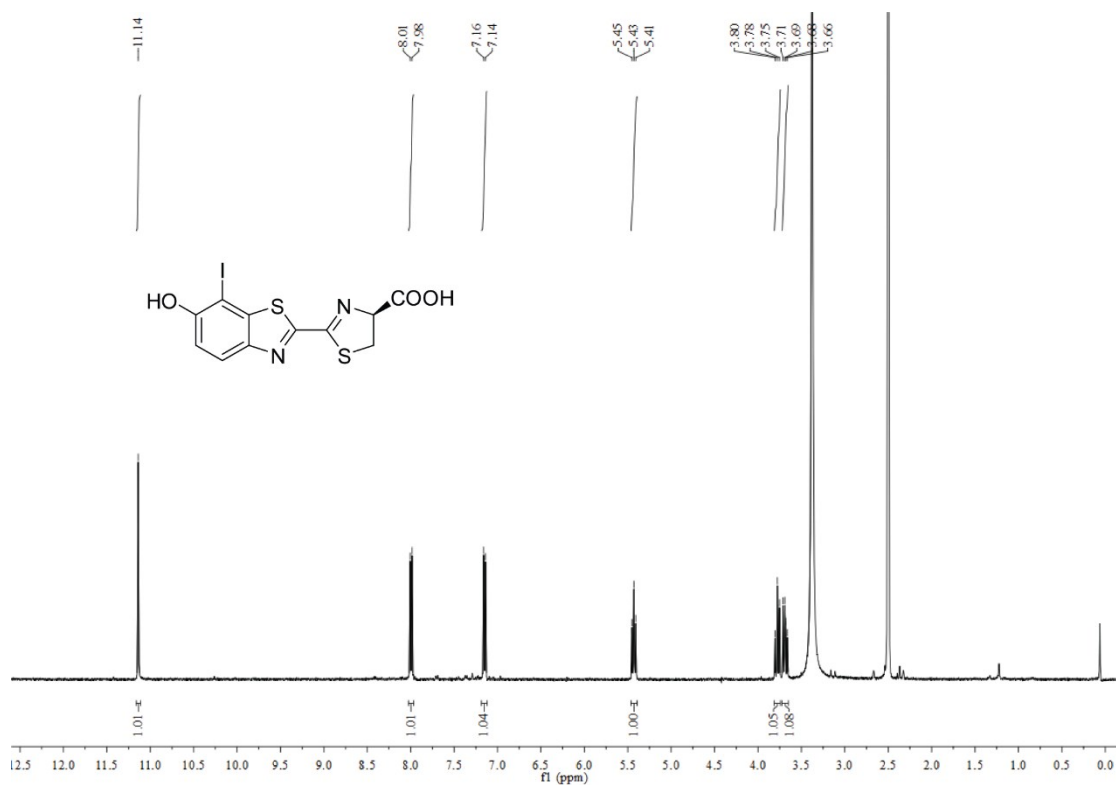


Figure S4. ¹H NMR spectrum of 7'-iodo-luciferin in DMSO-*d*₆.

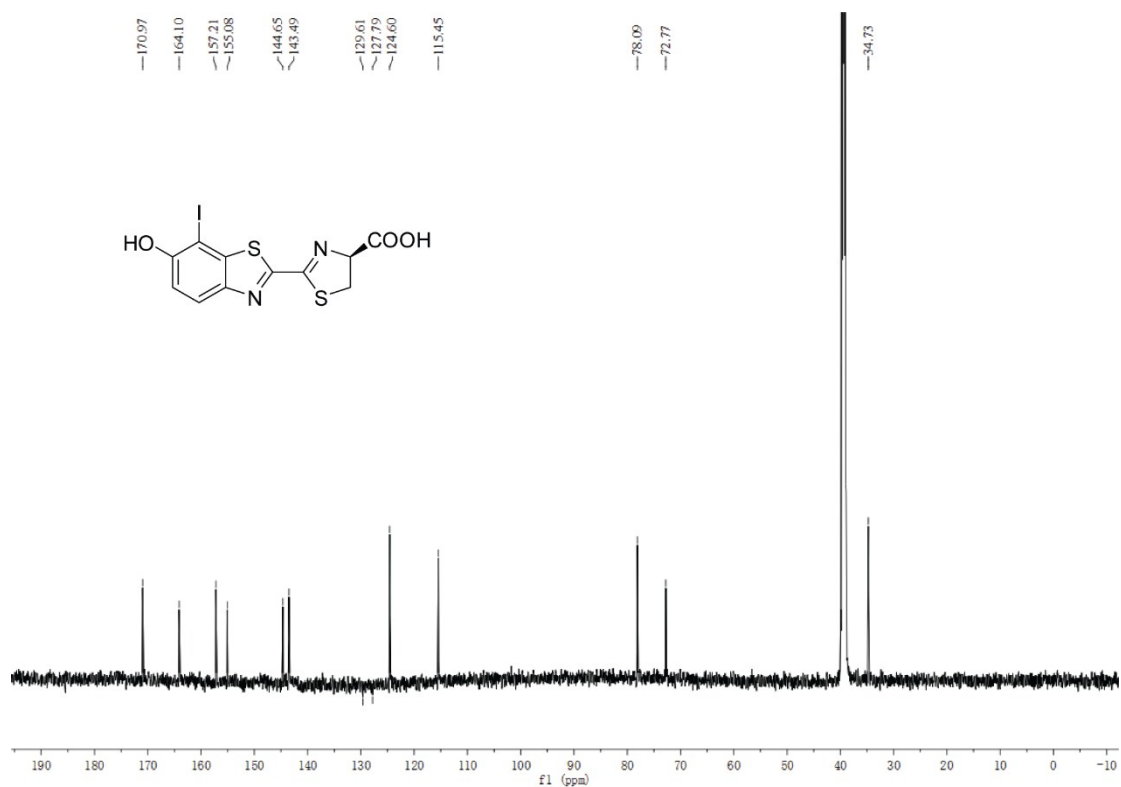


Figure S5. ¹³C NMR spectrum of 7'-iodo-luciferin in DMSO-*d*₆.

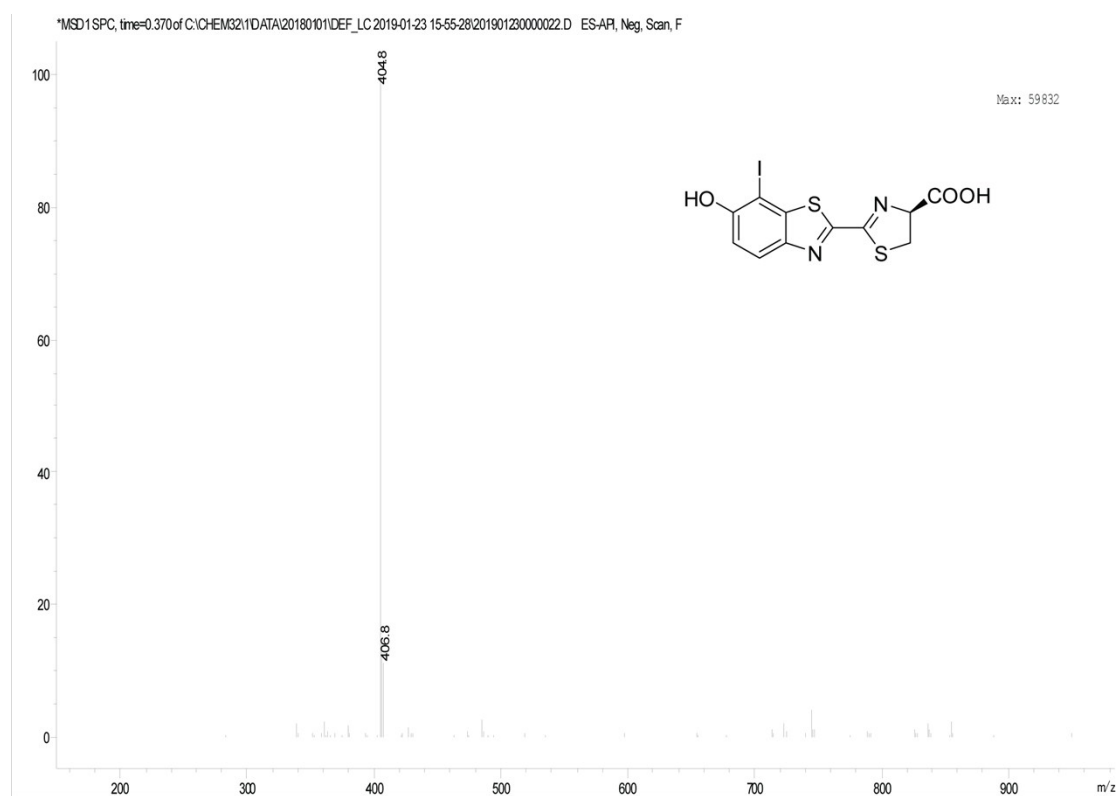


Figure S6. Mass spectrum of 7'-iodo-luciferin.