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Design, synthesis and biological evaluation of novel nitric oxide-donating protoberberine derivatives as antitumor agents

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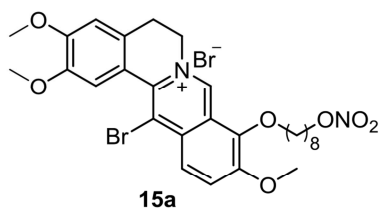
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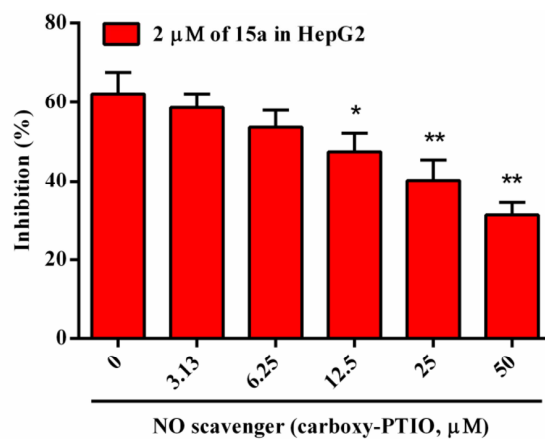
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IC<sub>50</sub>: 1.36 μM (HepG2); 1.21 μM (SMMC-7721);  
2.29 μM (HCT-116); 1.26 μM (HL-60);  
28.93 μM (normal liver LO-2 cells)  
*In vivo* tumor inhib.: 45.9% (15 mg/kg)  
(H22 liver cancer) 62.5% (30 mg/kg)



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