

Supporting Information

Chemical Hybridization of Sulfasalazine and Dihydroartemisinin Promotes Brain Tumor Cell Death

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Table 1S. Properties of investigated parent compounds and hybrid **AC254**.

Compound	Molecular Formula	MW (g/mol)	Melting Point	Rf ^[c]	Color	Purity ^[d]
Dihydroartemisinin	C ₂₇ H ₂₉ NO ₁₁	284.35	164-165 °C ^[a]	0.46	White crystalline powder	+
AC254	C ₃₃ H ₃₆ N ₄ O ₉ S	664.73	148-150 °C	0.24	Yellow powder	+
SAS	C ₁₈ H ₁₅ N ₄ O ₅ S	398.39	220 °C ^[b]	-	Yellow powder	+

^[a] Ref. 1. ^[b] Ref. 2 ^[c] R_f values were determined in the solvent mixture of hexane : ethylacetate (6:4) ^[d] DHA and SSZ were commercially supplied > 95 grade. Purity of hybrid was confirmed by Elemental Analysis.

1. National Center for Biotechnology Information. PubChem Compound Summary for CID 3000518. <https://pubchem.ncbi.nlm.nih.gov/compound/3000518>. Accessed Sept. 11, 2020.
2. National Center for Biotechnology Information. PubChem Compound Summary for CID 5339, Sulfasalazine. <https://pubchem.ncbi.nlm.nih.gov/compound/Sulfasalazine>. Accessed Sept. 11, 2020.