

Electronic Supplementary Information

ESI 1: Characteristics of patient-derived primary cultures used to assess the antiproliferative effects of TMZ analogues. ICH staining to assess MGMT status was carried out by pathology staff from The Royal Preston Hospital using the Allred scoring system.

Patient-derived primary culture	BTNW914	BTNW374
Patient Gender	Female	Female
Patient Age	65	33
Tissue	Brain	Brain
Disease State	Grade IV human glioblastoma	Grade IV human glioblastoma
Survival Post Resection	10 months	8 months
All Red Score for MGMT (Status)^a	$(PS: 0) + (IS: 0) = TS: 0$ (Negative)	$(PS: 5) + (IS: 3) = TS: 8$ (Positive)

Table Footnotes

^aAllred scores are expressed using both the proportional score (PS), (the proportion of MGMT expressing cells); and the intensity score (IS), (the average intensity of staining). The PS and the IS are then added together to give a total score (TS), the threshold for a sample to be deemed positive is >2.