M1. (a)	2-deoxyribose	1	
(b)	Base A If Base B stated, allow 1 mark only for response including hydrogen bonding	1	
	Top N–H forms hydrogen bonds to lone pair on O of guanine	1	
	The lone pair of electrons on N bonds to H–N of guanine	1	
	A lone pair of electrons on O bonds to lower H–N of guanine Allow all 4 marks for a correct diagram showing the hydrogen bonding Students could also answer this question using labels on the diagram	1	
(c)	Allow either of the nitrogen atoms with a lone pair NOT involved in bonding to cytosine	1	
(d)	Use in very small amounts / target the application to the tumour	1	[7]