Patient derived tumor cells identify mechanistically rational combinations for the PI3Kdelta inhibitor roginolisib in solid and haematologic malignancies.

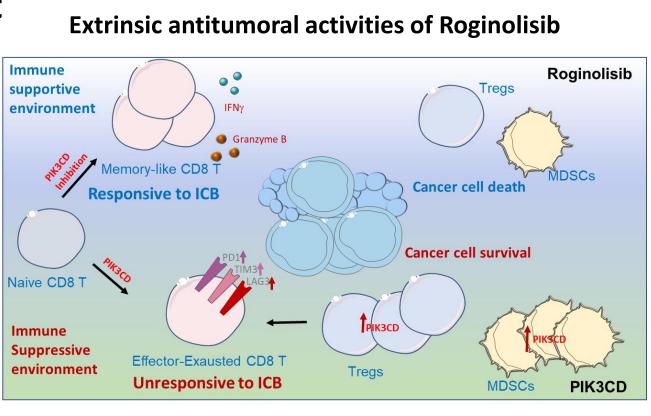
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Parameter	Roginolisib^	Zydelig* (Gilead)	Copiktra* (Secura)	Ukoniq* (TG Ther.)	Parsaclisib (Incyte)	Za (M
Dose interruption AE related	no	41%	64%	45%	16%	
Continuous dosing	yes	no	no	No	no	
Combination potential		•	•	•	•	
Lymphoma develop. status	active	withdrawn	withdrawn	withdrawn	withdrawn	wi
Solid tumor develop. status	active	halted	NA	NA	halted	
Tolerability (SAE ≥ Grade 3)			•	•	•	
Infection	0%	23%	27%	20%	0%#	
Neutropenia	2% \$	28%	43%	17%	20%	
Diarrhea or colitis	0%	14%	23%	7%	9%	
ALT/AST increase	0%	18%	8%	7%	3%	
	Dose interruption AE relatedContinuous dosingCombination potentialLymphoma develop. statusSolid tumor develop. statusSolid tumor develop. statusTolerability (SAE ≥ Grade 3)InfectionNeutropeniaDiarrhea or colitis	ParameterDose interruption AE relatednoContinuous dosingyesCombination potential●Lymphoma develop. statusactiveSolid tumor develop. statusactiveSolid tumor develop. status●Tolerability (SAE ≥ Grade 3)●Infection0%Neutropenia2%\$Diarrhea or colitis0%	Parameter(Gilead)Dose interruption AE relatedno41%Continuous dosingyesnoCombination potential●●Lymphoma develop. statusactivewithdrawnSolid tumor develop. statusactivehaltedTolerability (SAE ≥ Grade 3)●●Infection0%23%Neutropenia2%\$28%Diarrhea or colitis0%14%	Parameter(Gilead)(Secura)Dose interruption AE relatedno41%64%Continuous dosingyesnonoCombination potential●●●Lymphoma develop. statusactivewithdrawnwithdrawnSolid tumor develop. statusactivehaltedNATolerability (SAE ≥ Grade 3)●●●Infection0%23%27%Diarrhea or colitis0%14%23%	Parameter(Gilead)(Secura)(TG Ther.)Dose interruption AE relatedno41%64%45%Continuous dosingyesnonoNoCombination potential●●●●Lymphoma develop. statusactivewithdrawnwithdrawnwithdrawnSolid tumor develop. statusactivehaltedNANATolerability (SAE ≥ Grade 3)●●●●Infection0%23%27%20%Diarrhea or colitis0%14%23%7%	Parameter(Gilead)(Secura)(TG Ther.)(Incyte)Dose interruption AE relatedno41%64%45%16%Continuous dosingyesnonoNonoCombination potentialImage: Combination potentialImage: Combination potentialImage: Combination potentialImage: Combination potentialLymphoma develop. statusactivewithdrawnwithdrawnwithdrawnSolid tumor develop. statusactivehaltedNANATolerability (SAE > Grade 3)Image: Combination potentialImage: Combination potentialImage: Combination potentialInfection0%23%27%20%0%#Diarrhea or colitis0%14%23%7%9%

identification of combination therapies that could be explored in future clinical studies.





target	Combination partner	cell line	Lymphoma subtype	Median Combination Index	95% C.I.
BCL2	S55746	GRANTA519	MCL	1.3	0.56-1.5
BCL2	Venetoclax	GRANTA519	MCL	0.81	0.66-1
BCL2	S55746	JVM2	MCL	0.46	0.18-0.75
BCL2	Venetoclax	JVM2	MCL	0.15	0.096-0.21
BCL2	S55746	SP49	MCL	1	0.56-1.5
BCL2	Venetoclax	SP49	MCL	1.3	0.44-1.9
BCL2	S55746	FARAGE	GCB DLBCL	2.17	1-3.1
BCL2	Venetoclax	FARAGE	GCB DLBCL	0.32	0.24-0.56
BCL2	\$55746	TMD8	ABC DLBCL	0.4	0.35-0.51
BCL2	Venetoclax	TMD8	ABC DLBCL	0.76	0.5-5
BCL2	S55746	MEC1	CLL	0.21	0.15-0.31
BCL2	Venetoclax	MEC1	CLL	0.05	0.03-0.08
BCL2	S55746	MJ	CTCL	0.089	0.035-0.53
BCL2	Venetoclax	MJ	CTCL	0.47	0.3-0.8
BCL2	\$55746	ΥT	NK lymphoma	0.45	0.17-0.63
BCL2	Venetoclax	ΥT	NK lymphoma	0.13	0.062-0.49

