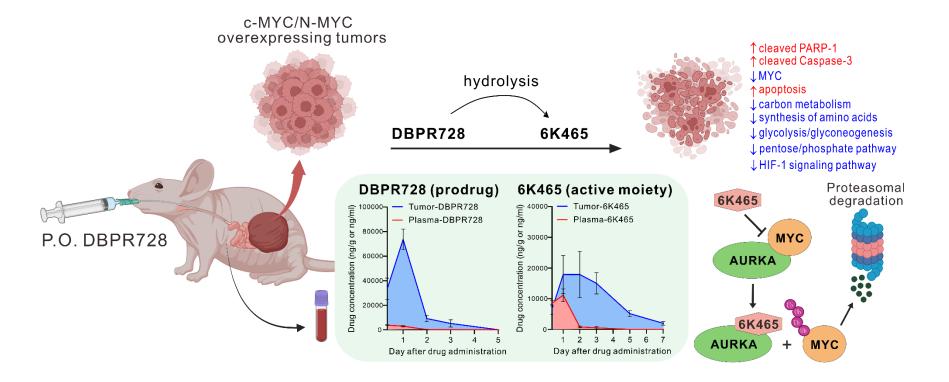


DBPR728: A Kinase Inhibitor Targeting MYC Driven Cancers



Advantages

- Oral administration of DBPR728 showed better tumor suppression efficacy than alisertib in multiple tumor xenografts overexpressing c-MYC and/or N-MYC.
- ❖ A PCT has been filed for this technology (WO 2021/178485).

Publications associated with this patent:

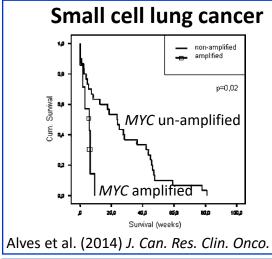


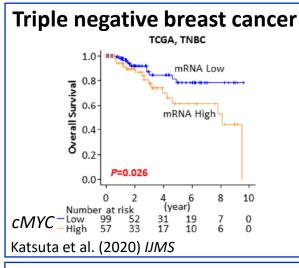


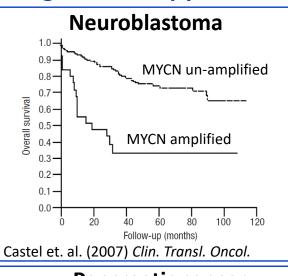


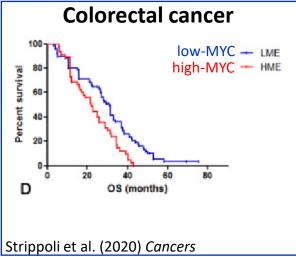
Disease Background and Market Analysis

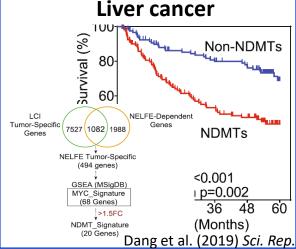
Cancers with MYC amplification/overexpression (28% amongst all cancers):
 reduced overall survival across cancers, no available targeted therapy

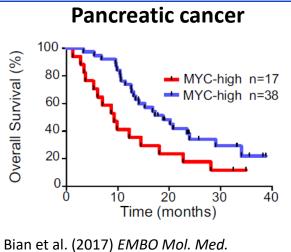






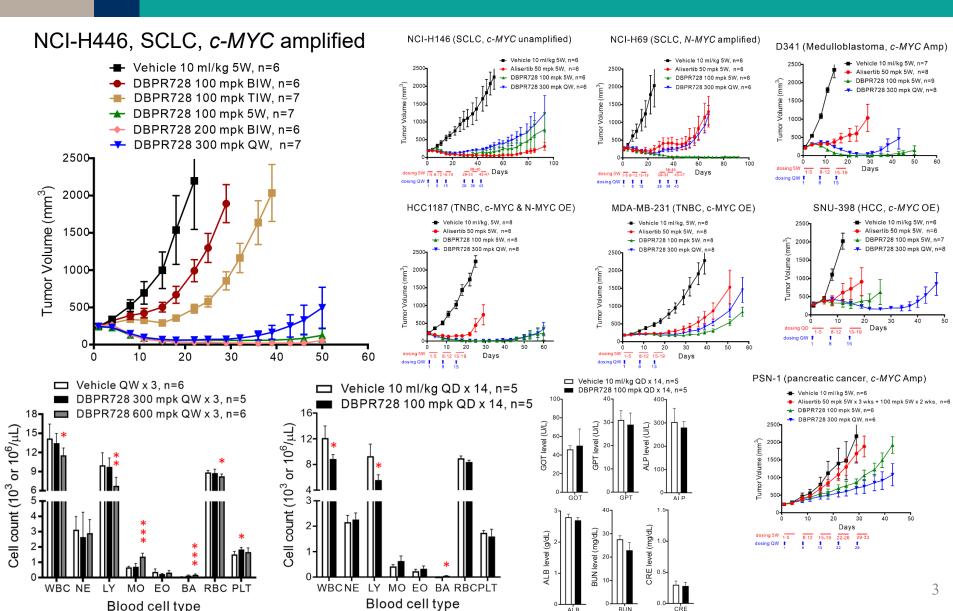






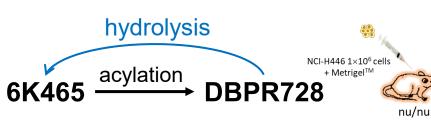


Product – Key Data or PoC Data





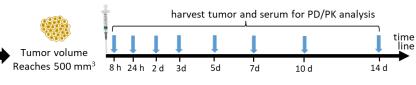
Product – Key Data or PoC Data

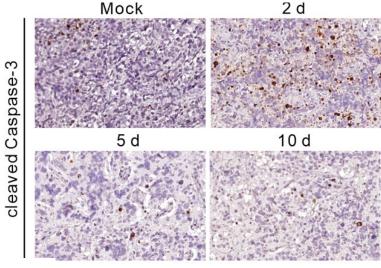


Compound (IV)	T _{1/2} (hr)	CL (ml/min/kg)	V _{ss} (I/kg)	AUC _(0-inf) (ng/ml * hr)
6K465	4.6 ± 0.4	43.3 ± 0.5	9.5 ± 0.9	774±10
DBPR728 (6K465 determined)	7.5±1.1	15.2± 1.0	4.1 ± 0.5	2231± 148

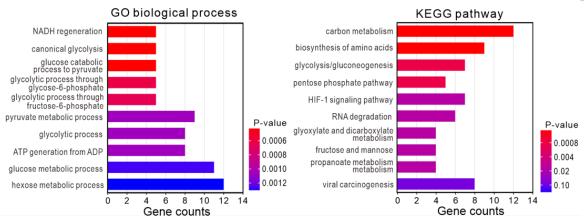
Compound (PO)	T _{1/2} (hr)	C _{max} (ng/ml)	T _{max} (hr)	AUC _(0-inf) (ng/ml*hr)	F ratio (%)
6K465	12.6 ± 0.8	124±53	1.0 ± 0.0	567±16.8	14.6
DBPR728	1.8 ± 0.0	126 ± 25.7	$0.25\!\pm0.0$	453 ± 119	ND
DBPR728 (6K465 determined)	3.6±0.2	1370± 17	2.0 ±0.0	5931±276	53.1

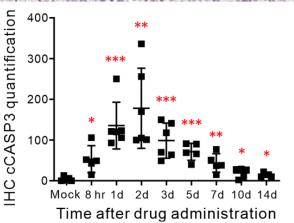
PO DBPR728 300 mpk





Genes affected by DBPR728 treatment







Product Summary of DBPR728

- Primary Indications: SCLC, TNBC with c-MYC or N-MYC amplification or overexpression
- Key Features:
- oral-available, degrades both c-MYC and N-MYC
- long elimination half life, regress/eradicates multiple tumor xenografts (SCLC,
 BC, medulloblastoma, HCC) with QD or QW dosing regimen in a 21-day cycle
- tumor/plasma exposure about 3.6 fold, manageable hematology toxicities
- Intellectual Properties: PCT WO 2021/178485 (March 3, 2021); Entry countries (US, Canada, China, Japan, Korea, Europe, Australia, New Zealand)
- Market Positioning: preclinical
- Business Opportunities: licensing, co-development