

Kite Pharma Inc

CORTELLIS COMPANY DETAILED PIPELINE REPORT

A comprehensive coverage of the the company's drug pipeline portfolio including detailed product records.

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GLOSSARY

Number of Drugs in Active Development

Number of drugs associated with the company or subsidiary that are currently in active development, i.e. the development status for the drug(s) is one of the following: Discovery, Clinical, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

Number of Inactive Drugs

Number of drugs associated with the company or subsidiary that are currently classified as inactive, i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.

Number of Patents as Owner

Number of patents associated with the company where the company is listed as owner; i.e. the relationship type (or way the patent refers to the company) is: Patent Assignee/Owner, Patent owner (not assignee), Licensee for development and marketing, Licensee – marketing only (Distributor), Patent assignee of family member, Inferred assignee.

Number of Patents as Third Party

Number of patents associated with the company where the company is listed as third party; i.e. the relationship type (or way the patent refers to the company) is: Patent assignee (not owner), Ex-Licensee for development and marketing, Ex-Licensee marketing only (Distributor), Customer of technology, Ex-Customer of technology, Patent opponent or infringer, Affiliate organization of inventor, Owner of underlying technology.

Patents summary table

This table represents a summary of the core patent coverage for this company covering Therapeutic EP, US and WO patents since 1990 only.

Number of Deals

A count of deals where the company or one of its subsidiaries is the primary company.

Key Indications

Displays top ten key indications for the company and its subsidiaries based on frequency (indications occurring with high and identical frequency are always included, and this may result in more than ten Key Indications being listed). Includes both indications associated with patents where the company is patent owner and indications associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

Key Target-based Actions

Displays top ten key target-based actions for the company and its subsidiaries based on frequency (actions occurring with high and identical frequency are always included, and this may result in more than ten Key Target-based Actions being listed). Includes both target-based actions associated with patents where the company patent owner and target-based actions associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended. A target-based action is one that is associated with a target.

Key Technologies

Displays top ten key technologies for the company and its subsidiaries based on frequency (technologies occurring with high and identical frequency are always included, and this may result in more than ten Key Technologies being listed). Includes both key technologies associated with patents where the company relationship is patent owner and key technologies associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.



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Discovery	27



Kite Pharma Inc

COMPANY OVERVIEW

Company Name	Kite Pharma Inc
Parent Company Name	Kite Pharma Inc
Website	http://www.kitepharma.com/
Country	US
Number of Drugs in Active Development	6
Number of Inactive Drugs	0
Number of Patents as Owner	10
Number of Patents as Third Party	0
Number of Deals	7
Key Indications	Cancer,B-cell lymphoma,Glioblastoma,Hepatocellular carcinoma,Metastasis,Renal cell carcinoma,Melanoma,Breast tumor,Ovary
Key Target-based Actions	Alpha-fetoprotein inhibitor,B-lymphocyte antigen CD19 inhibitor,Cancer testis antigen NY-ESO-1 modulator,Arginase modulator,CD27 agonist,CD45RO agonist,CD62L agonist,CD66e agonist,CD80 modulator,CTAG1 gene modulator,Cyclin-dependent kinase-4 stimulator,Epidermal growth factor agonist,FOXO3 gene modulator,MART-1 melanoma antigen stimulator,Melanocyte protein Pmel 17 modulator,Melanoma associated antigen 1 modulator,Melanoma associated antigen stimulator,Mesothelin modulator,Mesothelin stimulator,Mucin 1 stimulator,Myelin basic protein stimulator,Myelin oligodendrocyte glycoprotein stimulator,T-cell surface glycoprotein CD8 stimulator
Key Technologies	Biological therapeutic, Antigen, Parenteral formulation unspecified, Systemic formulation unspecified, Cell therapy, Polynucleotide sequence, Tumor antigen, Antibody, Antibody fragment, Antigen presentation system, Autoantigen, Cell culture technique, Immunodetection, Isolation technology, Oligonucleotide, Peptide, T-lymphocyte, Vector expression, Yeast

COMPANY PROFILE

SUMMARY

Kite Pharma is a biotechnology company focused on the development of immunotherapeutic products to treat cancers.

FINANCIAL

In November 2014, the company planned for a follow-on public offering of shares of its common stock. In December 2014, Kite priced the offering of 3,485,000 common stock shares at a price of US \$54 each. The underwriters were granted a 30-day option to buy up to an additional 522,750 shares of common stock.

In May 2014, Kite Pharma filed a registration statement on form S-1 with the US SEC for a proposed IPO to offer their common stock shares. In June 2014, the company initiated pricing of its initial public offering of 7.5 million shares of its common stock at a price to the public of \$17 per share. The shares began trading on the NASDAQ Global Select market, under the symbol "KITE". At that time, the underwriters were granted a 30-day option to buy up to an additional 1,125,000 shares of common stock; later that month, the underwriters completely exercised their option to purchase the additional shares of the company's common stock. At that time, the total number of 8,625,000 shares was being sold in the offering and was expected to be closed on June 25, 2014.

In April 2014, the company completed a \$50 million mezzanine private financing of convertible notes.

In May 2013, Kite closed a \$20 million private placement of shares and converted \$15 million in outstanding promissory notes into shares as a part of its series A preferred stock.

In March 2011, the company raised \$15 million in from a private placement financing round.

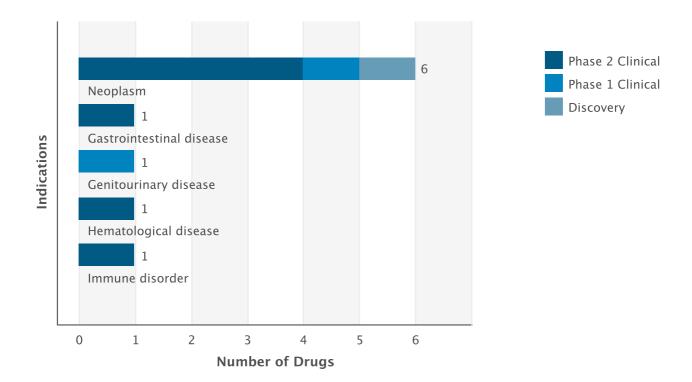


PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart

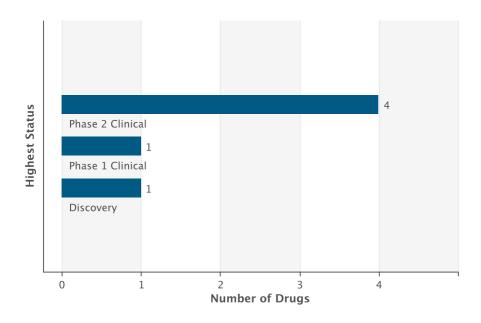


Drugs by Indication Table

Indication	Active	Inactive	Total
Neoplasm	6	0	6
Hematological disease	1	0	1
Genitourinary disease	1	0	1
Gastrointestinal disease	1	0	1
Immune disorder	1	0	1

Drugs by Highest Status

Active Drugs by Highest Status Chart



Drugs by Highest Status Table

Development Status	Number of Drugs
Phase 2 Clinical	4
Phase 1 Clinical	1
Discovery	1

DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Drug - CRADA	1	0	0	0	1
Drug - Asset Divestment	0	0	1	0	1
Drug - Development/Commercialization License	2	0	0	0	2
Patent - Exclusive Rights	0	0	2	0	2
Drug - Development Services	0	0	1	0	1



CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Hematological disease	0	1
Neoplasm	0	1
Immune disorder	0	1

Trials by Phase

Phase	Ongoing	All
Phase 1	0	1

Phase Definitions

Phase 3 Clinical

Includes Phase 3, Phase 3b, Phase 3a, Phase 2/3 (where enrolment count is 300 or over)

Phase 2 Clinical

Includes Phase 2, Phase 2a, Phase 2b, Phase 1/2 (where enrolment count is 100 or over), Phase 2/3 (where enrolment count is under 300 or not specified)

Phase 1 Clinical

Includes Phase 1, Phase 1, Phase 1, Phase 1/2 (where enrolment count is under 100 or not specified), Phase 0

PATENTS *

Indication	As Owner	As Third Party	Total
Endocrine disease	3	0	3
Gastrointestinal disease	2	0	2
Genitourinary disease	4	0	4
Andrology	2	0	2
Immune disorder	1	0	1
Neoplasm	10	0	10
Respiratory disease	4	0	4
Infectious disease	4	0	4
Gynecology and obstetrics	3	0	3
Dermatological disease	7	0	7

^{*} This table represents a summary of the core patent coverage for this company covering Therapeutic EP, US and WO patents since 1990 only.



PRODUCT PORTFOLIO DRUG PIPELINE DETAIL

PLEASE NOTE: Highest status refers to highest development of that drug for one of the active companies

anti-NY-ESO-1 T-cell therapy (cancer), Kite Pharma

anti-NY-ESO-1 T-cell therapy (cancer), Kite Pharma SNAPSHOT

Drug Name	anti-NY-ESO-1 T-cell therapy (cancer), Kite Pharma
Key Synonyms	
Originator Company	National Institutes of Health
Active Companies	Kite Pharma Inc
Inactive Companies	National Institutes of Health
Highest Status	Phase 2 Clinical
Active Indications	Metastasis
Target-based Actions	Cancer testis antigen NY-ESO-1 modulator
Other Actions	Genetically engineered autologous cell therapy;Anticancer
Technologies	T-lymphocyte;Cell therapy;Systemic formulation unspecified;Biological therapeutic
Last Change Date	01-Jul-2014

anti-NY-ESO-1 T-cell therapy (cancer), Kite Pharma DEVELOPMENT PROFILE

SUMMARY

Kite Pharma, under license from the National Institutes of Health, is developing a murine-based engineered autologous T-cell therapy targeting the cancer/testis antigen NY-ESO-1 (based on the NIH's autologous lymphocytes cotransduced with retroviruses encoding anti-NY-ESO-1 T-cell receptors and IL-12), incorporating Kite Pharma's T Cell Receptor (TCR) technology, for the potential treatment of cancers expressing NY-ESO-1,. By May 2014, a phase II trial in metastatic cancer had begun.

anti-NY-ESO-1 T-cell therapy (cancer), Kite Pharma DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

Company	Indication	Country	Development Status	Date
Kite Pharma Inc	Metastasis	US	Phase 2 Clinical	06-Jun-2014
National Institutes of Health	Metastasis	US	Discontinued	06-Jun-2014



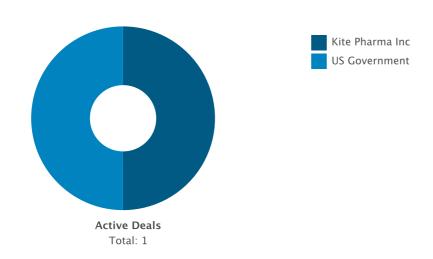
anti-NY-ESO-1 T-cell therapy (cancer), Kite Pharma DRUG NAMES

Names	Туре
murine anti-NY-ESO-1 TCR-based T-cell therapy (cancer), Kite Pharma	
anti-NY-ESO-1 T-cell therapy (cancer), Kite Pharma	

anti-NY-ESO-1 T-cell therapy (cancer), Kite Pharma DEALS AND PATENTS

DEALS

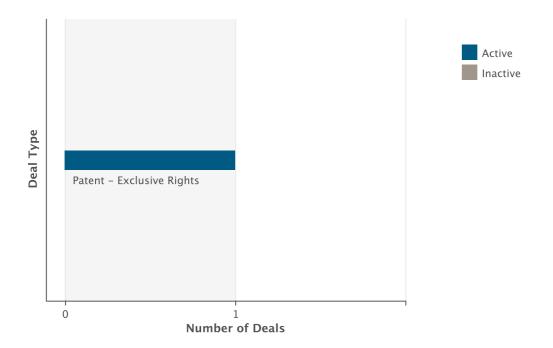
Deals by Parent Company Chart



Deals by Parent Company Table

Company Name	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Kite Pharma Inc	0	0	1	0	1
US Government	1	0	0	0	1





Deals by Type Table

Deal Type	Active	Inactive	Total
Patent - Exclusive Rights	1	0	1



KTE-C19

KTE-C19 SNAPSHOT

Drug Name	KTE-C19
Key Synonyms	
Originator Company	Kite Pharma Inc
Active Companies	Kite Pharma Inc
Inactive Companies	
Highest Status	Phase 2 Clinical
Active Indications	Cancer;B-cell lymphoma
Target-based Actions	B-lymphocyte antigen CD19 inhibitor
Other Actions	Anticancer;Genetically engineered autologous cell therapy;Immunomodulator
Technologies	Biological therapeutic;Parenteral formulation unspecified
Last Change Date	27-Nov-2014

KTE-C19 DEVELOPMENT PROFILE

SUMMARY

Kite Pharma is developing KTE-C19, a chimeric antigen receptor engineered peripheral blood autologous T-cell therapy (eACT) that targets CD19, for the potential treatment of multiple hematological cancers, including non-Hodgkin's lymphoma and solid tumor types,. In December 2013, phase I/IIa NHL data were presented. In August 2014, a multi-center study for non-Hodgkin's lymphoma was expected to start in the first half of 2015.

KTE-C19 DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

CONTENT DEVELOT MENT CTATOC									
Company	Indication	Country	Development Status	Date					
Kite Pharma Inc	B-cell lymphoma	US	Phase 2 Clinical	11-Dec-2013					
Kite Pharma Inc	Cancer	US	Discovery	30-Apr-2012					



KTE-C19 DRUG NAMES

Names	Туре
CD19 targeted chimeric antigen receptor engineered T cell therapy (cancer), Kite Pharma	
KTE-C19	
eACT (cancer), Kite Pharma	

KTE-C19 CLINICAL TRIALS

Trials by Phase and Condition Studied

	ase 4 Phase 3 Clinical		Phase 2 Clinical		Phase 1 Clinical		Phase Unspecified		Total		
On- going	All	On- going	All	On- going	All	On- going	All	On- going	All	On- going	All
B-cell acute lymphoblastic leukemia											
0	0	0	0	0	0	1	1	0	0	1	1
Non-Hodgkin lymphoma											
0	0	0	0	0	0	0	1	0	0	0	1

Total Trials by Phase and Status

	se 4 nical		se 3 nical		se 2 nical		se 1 nical		ase ecified	To	tal
On- going	All	On- going	All	On- going	All	On- going	All	On- going	All	On- going	All
Total by Phase and Status											
0	0	0	0	0	0	1	2	0	0	1	2

Phase Definitions

Phase 3 Clinical

Includes Phase 3, Phase 3b, Phase 3a, Phase 2/3 (where enrolment count is 300 or over)

Phase 2 Clinical

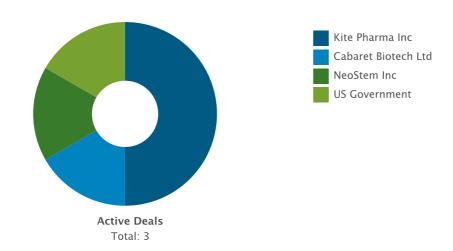
Includes Phase 2, Phase 2a, Phase 2b, Phase 1/2 (where enrolment count is 100 or over), Phase 2/3 (where enrolment count is under 300 or not specified)

Phase 1 Clinical

Includes Phase 1, Phase 1, Phase 1, Phase 1/2 (where enrolment count is under 100 or not specified), Phase 0

KTE-C19 DEALS AND PATENTS

DEALS Deals by Parent Company Chart



Deals by Parent Company Table

Company Name	Principal Active Inactive		Partner Active Inactive		Total
Kite Pharma Inc	1	0	2	0	3
NeoStem Inc	1	0	0	0	1
Cabaret Biotech Ltd	1	0	0	0	1
US Government	0	0	1	0	1



Deals by Type Table

Deal Type	Active	Inactive	Total
Drug - CRADA	1	0	1
Patent - Exclusive Rights	1	0	1
Drug - Development Services	1	0	1



alpha-fetoprotein cancer vaccine (hepatocellular carcinoma), Kite

alpha-fetoprotein cancer vaccine (hepatocellular carcinoma), Kite SNAPSHOT

Drug Name	alpha-fetoprotein cancer vaccine (hepatocellular carcinoma), Kite
Key Synonyms	
Originator Company	Kite Pharma Inc
Active Companies	Kite Pharma Inc;AFP Sino Development Co LLC;Hangzhou Beiluokang Biotechnology Co Ltd;Zhejiang Conba Pharmaceuticals Limited
Inactive Companies	
Highest Status	Phase 2 Clinical
Active Indications	Hepatocellular carcinoma
Target-based Actions	Alpha-fetoprotein inhibitor
Other Actions	Recombinant viral vector vaccine; Anticancer; Immunostimulant; Therapeutic vaccine
Technologies	Systemic formulation unspecified;Antigen;Biological therapeutic
Last Change Date	28-Aug-2014

alpha-fetoprotein cancer vaccine (hepatocellular carcinoma), Kite DEVELOPMENT PROFILE

SUMMARY

Kite Pharma is developing a vaccine consisting of alpha-fetoprotein epitopes to stimulate a T-cell response for the potential treatment of hepatocellular carcinoma (HCC) . By September 2010, a phase I/II trial had begun in patients with advanced HCC. In May 2012, development was ongoing ; in December 2013, this was still the case. Licensee Zhejiang Conba Pharmaceuticals and AFP Sino Development, through their joint venture Hangzhou Beiluokang Biotechnology, are investigating this vaccine in China. In August 2014, preclinical development was ongoing in China.

alpha-fetoprotein cancer vaccine (hepatocellular carcinoma), Kite DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

OUTILITY DEVELOT	ILITI OTATOO			
Company	Indication	Country	Development Status	Date
Kite Pharma Inc	Hepatocellular carcinoma	US	Phase 2 Clinical	16-Sep-2010
AFP Sino Development Co LLC	Hepatocellular carcinoma	China	Discovery	26-May-2012
Hangzhou Beiluokang Biotechnology Co Ltd	Hepatocellular carcinoma	China	Discovery	01-Feb-2013
Zhejiang Conba Pharmaceuticals Limited	Hepatocellular carcinoma	China	Discovery	14-Jun-2011
Kite Pharma Inc	Hepatocellular carcinoma	China	Discontinued	26-May-2012



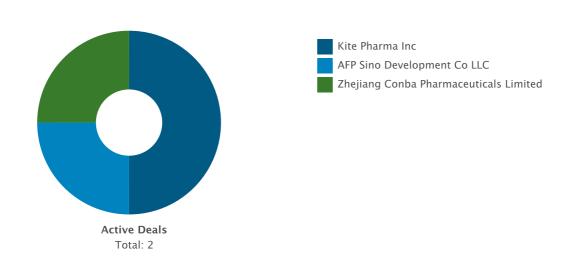
alpha-fetoprotein cancer vaccine (hepatocellular carcinoma), Kite DRUG NAMES

Names	Туре
alpha-fetoprotein cancer vaccine (hepatocellular carcinoma), Kite	

alpha-fetoprotein cancer vaccine (hepatocellular carcinoma), Kite DEALS AND PATENTS

DEALS

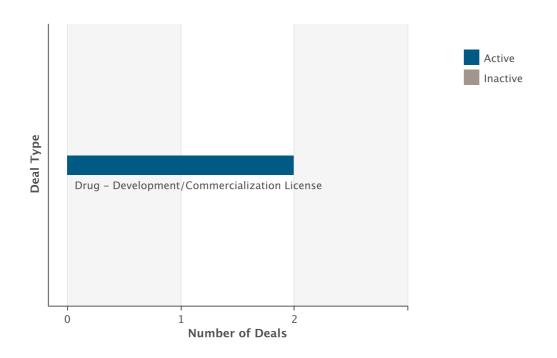
Deals by Parent Company Chart



Deals by Parent Company Table

Company Name	Principal Active Inactive		Partner Active Inactive		Total
Kite Pharma Inc	2	0	0	0	2
Zhejiang Conba Pharmaceuticals Limited	0	0	1	0	1
AFP Sino Development Co LLC	0	0	1	0	1





Deals by Type Table

Deal Type	Active	Inactive	Total
Drug - Development/Commercialization License	2	0	2

EGFRvIII chimeric antigen receptor program, Kite Pharma

EGFRvIII chimeric antigen receptor program, Kite Pharma SNAPSHOT

Drug Name	EGFRvIII chimeric antigen receptor program, Kite Pharma
Key Synonyms	
Originator Company	National Cancer Institute
Active Companies	Kite Pharma Inc
Inactive Companies	National Cancer Institute
Highest Status	Phase 2 Clinical
Active Indications	Glioblastoma
Target-based Actions	Epidermal growth factor receptor modulator
Other Actions	Genetically engineered autologous cell therapy;Anticancer
Technologies	Receptor chimeric;Cell therapy;Biological therapeutic;Parenteral formulation unspecified
Last Change Date	04-Jun-2014

EGFRvIII chimeric antigen receptor program, Kite Pharma DEVELOPMENT PROFILE

SUMMARY

Kite Pharma, under license from NIH affiliate National Cancer Institute, is developing autologous peripheral blood lymphocytes (PBLs), transduced with T-cells expressing the anti-EGFRvIII chimeric antigen receptor, for the potential treatment of glioblastoma. In October 2011, the NCI started a phase I/II trial. In September 2013, the trial was ongoing. In May 2014, work was ongoing.

EGFRvIII chimeric antigen receptor program, Kite Pharma DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

Company	Indication	Country	Development Status	Date
Kite Pharma Inc	Glioblastoma	US	Phase 2 Clinical	11-Apr-2013
National Cancer Institute	Glioblastoma	US	Discontinued	11-Apr-2013

EGFRvIII chimeric antigen receptor program, Kite Pharma DRUG NAMES

Names	Туре
anti-EGFRvIII PBLs (glioblastoma), National Cancer Institute	
EGFRvIII chimeric antigen receptor program, Kite Pharma	
autologous anti-EGFRvIII T-cell receptor peripheral blood lymphocytes (glioblastoma), National Cancer Institute	



EGFRvIII chimeric antigen receptor program, Kite Pharma CLINICAL TRIALS

Trials by Phase and Condition Studied

	Phase 4 Phase 3 Clinical Clinical		Phase 2 Clinical		Phase 1 Clinical		Phase Unspecified		Total		
On- going	All	On- going	All	On- going	All	On- going	All	On- going	All	On- going	All
Glioma											
0	0	0	0	1	1	0	0	0	0	1	1

Total Trials by Phase and Status

Phase 4 Phase 3 Clinical Clinical			Phase 2 Clinical		Phase 1 Clinical		Phase Unspecified		Total		
On- going	All	On- going	All	On- going	All	On- going	All	On- going	All	On- going	All
Total by Phase and Status											
0	0	0	0	1	1	0	0	0	0	1	1

Phase Definitions

Phase 3 Clinical

Includes Phase 3, Phase 3b, Phase 3a, Phase 2/3 (where enrolment count is 300 or over)

Phase 2 Clinical

Includes Phase 2, Phase 2a, Phase 2b, Phase 1/2 (where enrolment count is 100 or over), Phase 2/3 (where enrolment count is under 300 or not specified)

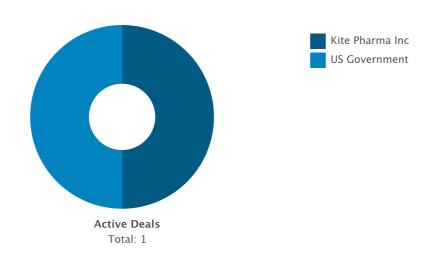
Phase 1 Clinical

Includes Phase 1, Phase 1a, Phase 1, Phase 1/2 (where enrolment count is under 100 or not specified), Phase 0

EGFRvIII chimeric antigen receptor program, Kite Pharma DEALS AND PATENTS

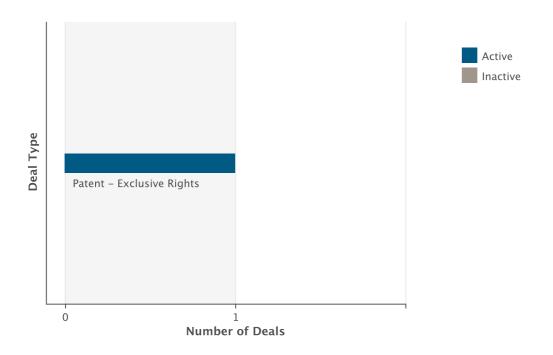
DEALS

Deals by Parent Company Chart



Deals by Parent Company Table

Company Name	Principal Active Inactive		Partner Active Inactive		Total
Kite Pharma Inc	0	0	1	0	1
US Government	1	0	0	0	1



Deals by Type Table

Deal Type	Active	Inactive	Total
Patent - Exclusive Rights	1	0	1

DC-Ad-GMCAIX

DC-Ad-GMCAIX SNAPSHOT

Drug Name	DC-Ad-GMCAIX
Key Synonyms	
Originator Company	University of California Los Angeles
Active Companies	Kite Pharma Inc
Inactive Companies	University of California Los Angeles
Highest Status	Phase 1 Clinical
Active Indications	Renal cell carcinoma
Target-based Actions	Carbonic anhydrase-IX modulator
Other Actions	Therapeutic vaccine;Anticancer;Protein subunit vaccine
Technologies	Tumor antigen therapeutic;Antigen;Biological therapeutic;Protein fusion;Intradermal formulation
Last Change Date	18-Jun-2014

DC-Ad-GMCAIX DEVELOPMENT PROFILE

SUMMARY

Kite Pharma under license from the University of California, Los Angeles, is developing GM-CSF-G250 (DC-Ad-GMCAIX), a GM-CSF vaccine which consists of dendritic cells adenovirally transduced with tumor antigen, GM-CSF carbonic anhydrase IX (G250; CIAX) fusion protein for the potential intradermal treatment of renal cell carcinoma (RCC),.. In April 2013, a phase I trial was initiated.

DC-Ad-GMCAIX DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

Company	Indication	Country	Development Status	Date
Kite Pharma Inc	Renal cell carcinoma	US	Phase 1 Clinical	04-Apr-2013
University of California Los Angeles	Renal cell carcinoma	US	Discontinued	17-Sep-2010

DC-Ad-GMCAIX DRUG NAMES

Names	Туре
GM-CSF-G250 vaccine, UCLA	
DC-Ad-GMCAIX	
GM-CAIX	
GM-CSF/cancer antigen chimeric protein (renal cancer), Kite	

DC-Ad-GMCAIX CLINICAL TRIALS

Trials by Phase and Condition Studied

	Phase 4 Phase 3 Clinical Clinical		Phase 2 Clinical		Phase 1 Clinical		Phase Unspecified		Total		
On- going	All	On- going	All	On- going	All	On- going	All	On- going	All	On- going	All
Metastatic renal cancer											
0	0	0	0	0	0	1	1	0	0	1	1

Total Trials by Phase and Status

Phase 4 Clinical			se 3 nical	Phase 2 Clinical		Phase 1 Clinical		Phase Unspecified		Total	
On- going	All	On- going	All	On- going	All	On- going	All	On- going	All	On- going	All
Total by Phase and Status											
0	0	0	0	0	0	1	1	0	0	1	1

Phase Definitions

Phase 3 Clinical

Includes Phase 3, Phase 3b, Phase 3a, Phase 2/3 (where enrolment count is 300 or over)

Phase 2 Clinical

Includes Phase 2, Phase 2a, Phase 2b, Phase 1/2 (where enrolment count is 100 or over), Phase 2/3 (where enrolment count is under 300 or not specified)

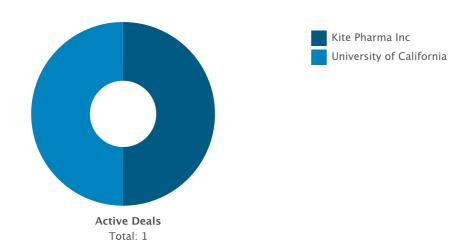
Phase 1 Clinical

Includes Phase 1, Phase 1a, Phase 1, Phase 1/2 (where enrolment count is under 100 or not specified), Phase 0

DC-Ad-GMCAIX DEALS AND PATENTS

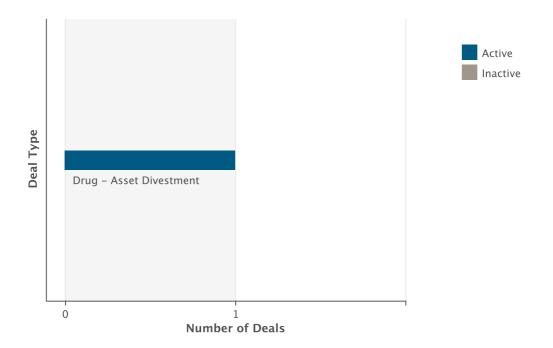
DEALS

Deals by Parent Company Chart



Deals by Parent Company Table

Company Name		cipal Inactive		tner Inactive	Total
Kite Pharma Inc	0	0	1	0	1
University of California	1	0	0	0	1



Deals by Type Table

Deal Type	Active	Inactive	Total
Drug - Asset Divestment	1	0	1

anti-SSX2 T-cell therapy (cancer), Kite Pharma

anti-SSX2 T-cell therapy (cancer), Kite Pharma SNAPSHOT

Drug Name	anti-SSX2 T-cell therapy (cancer), Kite Pharma
Key Synonyms	
Originator Company	National Institutes of Health
Active Companies	Kite Pharma Inc
Inactive Companies	National Institutes of Health
Highest Status	Discovery
Active Indications	Cancer
Target-based Actions	Synovial sarcoma X breakpoint protein 2 inhibitor
Other Actions	Anticancer;Genetically engineered autologous cell therapy
Technologies	T-lymphocyte;Cell therapy;Biological therapeutic
Last Change Date	01-Jul-2014

anti-SSX2 T-cell therapy (cancer), Kite Pharma DEVELOPMENT PROFILE

SUMMARY

Kite Pharma, under license from the National Institutes of Health, is investigating an engineered autologous T-cell therapy targeting the cancer/testis antigen SSX2 (synovial sarcoma X breakpoint protein 2), incorporating Kite Pharma's T Cell Receptor (TCR) technology, for the potential treatment of tumors including head and neck cancer, hepatocellular carcinoma, melanoma, prostate cancer and sarcoma.

anti-SSX2 T-cell therapy (cancer), Kite Pharma DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

Company	Indication	Country	Development Status	Date					
Kite Pharma Inc	Cancer	US	Discovery	11-Apr-2013					
National Institutes of Health	Cancer	US	Discontinued	11-Apr-2013					

anti-SSX2 T-cell therapy (cancer), Kite Pharma DRUG NAMES

Names	Туре
anti-SSX2 TCR-based T-cell therapy (cancer), Kite Pharma	
anti-SSX2 T-cell therapy (cancer), Kite Pharma	



anti-SSX2 T-cell therapy (cancer), Kite Pharma DEALS AND PATENTS

DEALS

Deals by Parent Company Chart



Deals by Parent Company Table

Company Name		cipal Inactive		tner Inactive	Total
Kite Pharma Inc	0	0	1	0	1
US Government	1	0	0	0	1



Deals by Type Table

Deal Type	Active	Inactive	Total
Patent - Exclusive Rights	1	0	1

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