

INFORME DE BÚSQUEDA DE PATENTES

N° de solicitud: NC2017/0003077 Presentación: (11/Septiembre/2014)

CRITERIOS PARA LA BÚSQUEDA (Anexar pantallazo o reporte en PDF, junto con los boléanos utilizados*. Para el caso de secuencias, anexar alineamientos)

PALABRAS CLAVE UTILIZADAS	1. "Macrocyclic inhibitors" "PD-1/PD-L1" "CD80(B7-1)/PD-L1". 2. "aminoacids coupling" "Macrocyclic inhibitors" 3. "blockade integration PDL-L1" "PD-1 and CD80"
CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA	CIP: A61K 38/10, C07K 7/08, G01N 33/574 CPC (Opcional):

DOCUMENTOS CONSIDERADOS RELEVANTES (documentos patentes, literatura no patente, etc...)

Informes/Base de datos	N° de solicitud/ Autor**	Fecha de Publicación/Presentación (DD/MM/AAAA)	Reiv. afectadas (Con indicación, si procede, de las partes relevantes o números de secuencias)	Categorías especiales de los documentos citados***
WO	WO2014151634	25/Septiembre/2014		E
EPODOC	WO2014151634	25/Septiembre/2014		E
	CA2905453	25/Septiembre/2014		E
SIPI	15241623	09/Octubre/2015		E
PATBASE	US20140294898	02/Octubre/2014		E

“A” documento que define el estado general de la técnica no considerado como particularmente relevante.
 “E” solicitud de patente o patente anterior pero publicada en la fecha de presentación internacional o en fecha posterior.
 “P” documento publicado antes de la fecha de presentación internacional, pero con posterioridad a la fecha de prioridad reivindicada.
 “X” documento particularmente relevante; la invención reivindicada no puede considerarse nueva o que implique una actividad inventiva por referencia al documento aisladamente considerado.
 “Y” documento particularmente relevante; la invención reivindicada no puede considerarse que implique una actividad inventiva cuando el documento se asocia a otro u otros documentos de la misma naturaleza, cuya combinación resulta evidente para un experto en la materia.

**** Indicar entre paréntesis la Autoridad que realizó la búsqueda o el informe preliminar Ejs: EPO, JP, INAPI.

Literatura no patente

**Se incluye entre otros, toda la referencia de la literatura no patente.

-Synthetic small peptides acting on B7H1 enhance apoptosis in pancreatic cancer cells;
<https://www.ncbi.nlm.nih.gov/pubmed/22752249>
 -The PD-1/PD-L1 (B7-H1) Pathway in Chronic Infection-Induced Cytotoxic T Lymphocyte Exhaustion;
<https://www.ncbi.nlm.nih.gov/pubmed/21960736>
 -Design and Synthesis of Novel Bioactive Peptides and Peptidomimetics;
<https://pubs.acs.org/doi/abs/10.1021/jm030484k?journalCode=jmcmr>
 - Design of β -turn Based Therapeutic Agents;
<http://www.ingentaconnect.com/content/ben/cpd/2003/00000009/00000015/art00007>

Fecha del reporte de búsqueda: 17/06/2018

EPODOC SS Status Results Query

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29 (MACROCYCLIC AND CD80 AND INHIBITORS) AND (PD AND L1) AND PROTEIN

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	Application number	Title	Applicant(s)	Inventor(s)	Filing date	Application status	
1	2014405919	Macrocyclic inhibitors of the PD-1/PD-L1 and CD80 (B7-1)/PD-L1 protein/protein interactions	Bristol-Myers Squibb Company	Miller, Michael Matthew; Mapelli, Claudio; Allen, Martin Patrick; Bowsher, Michael S.; Gillis, Eric P.; Langley, David R.; Mull, Eric; Poirier, Maude A.; Sanghvi, Nishith; Sun, Li-Qiang; Tenney, Daniel J.; Yeung, Kap-Sun; Zhu, Jiliang; Gilman, Kevin W.; Zhao, Qian; Grant-Young, Katharine A.; Scola, Paul Michael; Cornelius, Lyndon A.M.	2014-09-11	FILED	☐
2	2014233875	Macrocyclic inhibitors of the PD-1/PD-L1 and CD80(B7-1)/PD-L1 protein/protein interactions	Bristol-Myers Squibb Company	Miller, Michael Matthew; Mapelli, Claudio; Allen, Martin Patrick; Bowsher, Michael S.; Boy, Kenneth M.; Gillis, Eric P.; Langley, David R.; Mull, Eric; Poirier, Maude A.; Sanghvi, Nishith; Sun, Li-Qiang; Tenney, Daniel J.; Yeung, Kap-Sun; Zhu, Jiliang; Reid, Patrick C.; Scola, Paul Michael	2014-03-13	ACCEPTED	☐

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SN	Appilcation Number	Title
1	200710028415	Human glycosyl-phosphatidyl inositol-CD80 fusion protein
2	201110056304	Anti-human CD80 bivalent dimer and application thereof
3	201110355663	Human soluble CD80 protein, coding gene and preparation method thereof
4	201110406572	Chimeric type DNA vaccine HSP70/CD80 for asthma prevention and immunotherapy
5	201210252595	Micro-RNA used for regulating expression of CD80 gene
6	201480027014	Macrocyclic inhibitors of the PD-1/PD-I1 and CD80(B7-1)/PD-I1 protein/protein interactions
7	201610116200	Kit for detecting CD80 in human urine
8	201480083260	Macrocyclic inhibitors of the PD-1/PD-L1 and CD80(B7-1)/PD-L1 protein/protein interactions
9	00806956	Mutant human CD80 and copositions for and methods of making and using the same
10	200480043756	Immunomodulating oxopyrrazolocinnolines as CD80 inhibitors

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