

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International patent classification⁷: C07C 51/15, 63/70, C07D 207/327, C07C 317/44	A1	(11) International publication number: WO 00/05187 (43) International publication date: 3 February 2000 (03.02.00)
(21) International application number: PCT/EP99/04674 (22) International filing date: 6 July 1999 (06.07.99) (30) Data relating to the priority: 198 33 118.5 23 July 1998 (23.07.98) DE (71) Applicant (for all designated States except US): MERCK PATENT GMBH [DE/DE]; Frankfurterstrasse 250, D-64293 Darmstadt (DE). (72) Inventors; and (75) Inventors/Applicants (US only): BARTMANN, Ekkehard [DE/DE]; Mainstrasse 37, D-64390 Erzhausen (DE). STEIN, Ingeborg [DE/DE]; Eugen- Roth-Strasse 4A, D-63110 Rodgau (DE). (74) Joint Representative: MERCK PATENT GMBH, Postfach, D-64271 Darmstadt (DE).	(81) Designated states: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO Patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With the International Search Report. Before expiry of the period provided for amending the claims, will be republished if such amendments are received.	

As printed

(54) Title: METHOD FOR PRODUCING ORTHO-ALKYLATED BENZOIC ACID DERIVATIVES

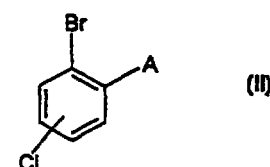
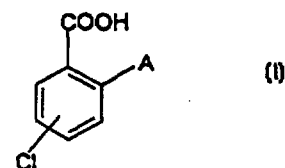
(54) Bezeichnung: VERFAHREN ZUR HERSTELLUNG VON ORTHO-ALKYLIERTEN BENZOESÄUREDERIVATEN

(57) Abstract

The invention relates to a method for producing ortho-alkylated benzoic acid derivatives of formula (I), characterized in that aryl bromide of formula (II) is reacted with secondary or tertiary lithiumorganyl and CO₂.

(57) Zusammenfassung

Die Erfindung betrifft ein Verfahren zur Herstellung von ortho-alkylierten Benzoessäurederivaten der Formel (I), dadurch gekennzeichnet, daß man ein Arylbromid der Formel (II) mit einem sekundären oder tertiären Lithiumorganyl und CO₂ umsetzt.



ONLY FOR INFORMATION

Codes used to identify the PCT member States on the flyleaves of the brochures in which international applications made under the PCT are published.

AE	United Arab Emirates	DM	Dominica	KR	Republic of Korea	RO	Romania
AL	Albania	EE	Estonia	KZ	Kazakhstan	RU	Russian Federation
AM	Armenia	ES	Spain	LC	Saint Lucia	SD	Sudan
AT	Austria	FI	Finland	LI	Liechtenstein	SE	Sweden
AU	Australia	FR	France	LK	Sri Lanka	SG	Singapore
AZ	Azerbaijan	GA	Gabon	LR	Liberia	SI	Slovenia
BA	Bosnia-Herzegovina	GB	United Kingdom	LS	Lesotho	SK	Slovakia
BB	Barbados	GD	Grenada	LT	Lithuania	SL	Sierra Leone
BE	Belgium	GE	Georgia	LU	Luxembourg	SN	Senegal
BF	Burkina Faso	GH	Ghana	LV	Latvia	SZ	Swaziland
BG	Bulgaria	GM	Gambia	MA	Morocco	TD	Chad
BJ	Benin	GN	Guinea	MC	Monaco	TG	Togo
BR	Brazil	GR	Greece	MD	Republic of Moldova	TJ	Tajikistan
BY	Belarus	GW	Guinea Bissau	MG	Madagascar	TM	Turkmenistan
CA	Canada	HR	Croatia	MK	Former Yugoslav Republic of Macedonia	TR	Turkey
CF	Central African Republic	HU	Hungary	ML	Mali	TT	Trinidad and Tobago
CG	Congo	ID	Indonesia	MN	Mongolia	TZ	United Republic of Tanzania
CH	Switzerland	IE	Ireland	MR	Mauritania	UA	Ukraine
CI	Côte d'Ivoire	IL	Israel	MW	Malawi	UG	Uganda
CM	Cameroon	IN	India	MX	Mexico	US	United States of America
CN	China	IS	Iceland	NE	Niger	UZ	Uzbekistan
CR	Costa Rica	IT	Italy	NL	Netherlands	VN	Vietnam
CU	Cuba	JP	Japan	NO	Norway	YU	Yugoslavia
CY	Cyprus	KE	Kenya	NZ	New Zealand	ZA	South Africa
CZ	Czech Republic	KG	Kyrgyzstan	PL	Poland	ZW	Zimbabwe
DE	Germany	KP	Democratic People's Republic of Korea	PT	Portugal		
DK	Denmark						