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[Continued on next page]

(54) Title: 1,3,4-OXADIAZOLE AND 1,3,4-THIADIAZOLE BETA-LACTAMASE INHIBITORS

(57) Abstract: β-Lactamase inhibitor compounds (BLIs) are disclosed, including compounds that have activity against class A, class C or class D β-lactamases. Methods of manufacturing the BLIs, and uses of the compounds in the preparation of pharmaceutical compositions and antibacterial applications are also disclosed.

Table 1
Compounds of Formula A-11

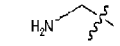
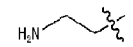
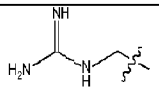
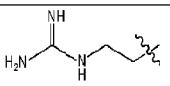
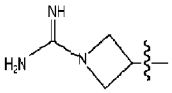
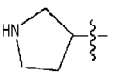
Cmpd. No.	X	R^1	R
701	O	H	
702	O		
703	O		
704	O		
705	O		
706	O		
707	O	$-NH_2$	
708	O		
709	O		
710	O		

Fig. 1A

WO 2013/149121 A1

HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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