

Additions and Corrections

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Gregory R. Bebernitz,* Jeremy G. Dain, Rhonda O. Deems, Dario A. Otero, W. Ronald Simpson, and Robert J. Strohschein: Reduction in Glucose Levels in STZ Diabetic Rats by 4-(2,2-Dimethyl-1-oxopropyl)benzoic Acid: A Prodrug Approach for Targeting the Liver.

Page 515. Some data entries were erroneously deleted from Table 1. The complete table is presented below. Information in bold in the lower right quadrant of the table was missing from the published manuscript.

Table 1. Biological Data for Ester Prodrugs

A=		9a-k		12		13a-b		B=				
Compound #	Acylated analogs	R ₁	R ₂	R ₃	Normal 18h-fasted rat Model ^a	Chronic STZ diabetic rat model ^b	AUC _{0-48h} in normal rats ^c	β-HBA % of control	Glucose % of control	8.25 Days % efficacy	11.25 Days % efficacy	μg•h/mL
1					12**	58*	52**	64**	1513			
9a		A	H	H	13.6**	56.1**	41.6	55.1*	1446			
9b		A	CH ₃ (CH ₂) ₁₄ CO	CH ₃ (CH ₂) ₁₄ CO	20.5**	63.0**	75.7**	90.2**	1456			
9c		A	CH ₃ (CH ₂) ₁₄ CO	H	22.7*	60.7**	69.8**	64.5*	645			
9d		A	H	A	11.9**	58.4**	99.5**	111.1**	1785			
9e		H	A	H	10.9**	59.3**	67.4**	88.1**	1479			
9f		CH ₃ (CH ₂) ₁₄ CO	A	CH ₃ (CH ₂) ₁₄ CO	23.6*	60.7*	62.5	84.7*	885			
9g		CH ₃ (CH ₂) ₁₄ CO		CH ₃ (CH ₂) ₁₄ CO	24.6**	71.6**	84.0**	97.5**	930			
9h		A	A	A	22.9** ED ₅₀ =88 [#]	82.2	103.7**	103.6**	128			
9i		B	B	B	32.5**	57.0**	49.8	61.0**	1165			
9j		CH ₃	A	CH ₃	15.5*	69.4**	75.8**	54.9	1126			
9k		CH ₃ (CH ₂) ₇	A	CH ₃ (CH ₂) ₇	20.1*	82.9*	11.8	5.6	526			
12a		A			28.8** ED ₅₀ =230 [#]	98.6	79.2**	74.0**	0			
13a		A	A		96.2	109.4						
13b		A	H		14.3** ED ₅₀ =3.4 [#]	68.9**	83.1**	83.7**	1354			

^a Acute screen: animals dosed at 100 μmol/kg, data reported as percent of control at 3 h postdose. ^b Chronic screen: animals dosed at 70 μmol/kg in STZ-treated diabetic rats, data reported as percent efficacy (where 100% efficacy is lowering of blood glucose levels to normal levels – 60 mg/dL). ^c Area under the curve of active metabolite **3** in blood plasma after dosing orally at 300 μmol/kg (see Experimental Section for description of in vivo models). **p* < 0.01, ***p* < 0.001. [#]ED₅₀ values are reported in mg/kg/day.

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