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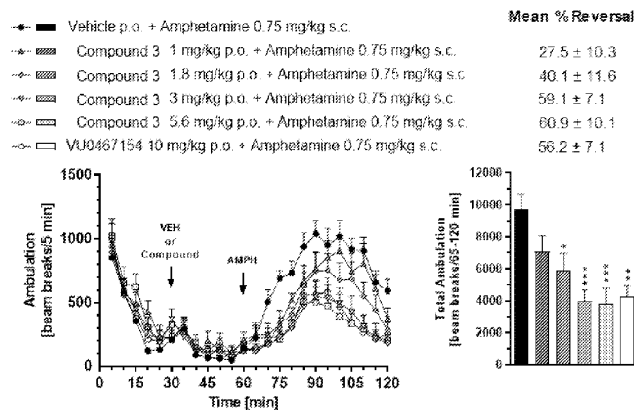
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(54) Title: POSITIVE MODULATORS OF THE MUSCARINIC ACETYLCHOLINE RECEPTOR M4



* p < 0.05, ** p < 0.01, *** p < 0.001 vs Vehicle + Amphetamine
Vehicle: 10% Tween 80,
N = 7-8/group

FIGURE

(57) Abstract: Deuterium-labeled 4-((2,3-dihydrobenzo[b][1,4]dioxin-6-yl)oxy)piperidines substituted with pyrrolo[3,4-b]pyridin-5-one, furo[3,4-b]pyridin-5(7H)-one, or [1,2,4]triazolo[4,3-a]pyrimidin-3(2H)-one are positive allosteric modulators of the muscarinic acetylcholine receptor M₄ (mAChR M₄) and may have use in treating neurological and psychiatric disorders associated with muscarinic acetylcholine receptor dysfunction.

[Continued on next page]

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