

Table of Studies Directly Testing the Activation of mGluR3 by NAAG in vitro***

Reference	Re-purified NAAG	Glutamate Tested	NAAG Activated mGluR3
Wroblewska, 1993	no	yes	mGluR3*
Bischofberger, 1996	no	yes	mGluR3*
Wroblewska, 1997	yes	yes	mGluR3
Ghose, 1997	yes	yes	mGluR3*
Wroblewska, 1998	yes	yes	mGluR3
Lea, 2001	yes	yes	mGluR3**
Wroblewska, 2006	yes	yes	mGluR3
Chopra, 2009	yes	yes	not mGluR3/K current
Fricker, 2009	yes	yes	not mGluR3/K current
Adedoyin, 2010	yes	no	mGluR3*

* NAAG activated a group II mGluR, concluded to be mGluR3 since NAAG fails to activate mGluR2 in transfected cells. ** response to NAAG blocked by mGluR3 selective antagonist beta-NAAG. ***Does not include studies demonstrating NAAG activation of mGluR3 in vivo via application of NAAG peptidase inhibitors and blocked by group II mGluR antagonist LY341495 (reviewed in Neale et al., 2011)