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(54) **Title:** CARBAMOYL CYCLOHEXANE DERIVATIVES FOR TREATING AUTISM SPECTRUM DISORDER

(57) **Abstract:** The present invention relates to trans-N-[4-[2-[4-(2,3-dichlorophenyl)piperazin-1-yl]ethyl]cyclohexyl]-N',N'-dimethylurea (cariprazine), its salts, close analogs, derivatives, pharmaceutical compositions, metabolites and combinations for use in the treatment of symptoms of autism spectrum disorder in general, and preferably the object of the present invention is to treat one or more symptoms of autism. Furthermore, it was also found that cariprazine, its salts, close analogs, derivatives, pharmaceutical compositions, metabolites and combinations are suitable for treatment of conditions such as Asperger's syndrome, atypical autism (otherwise known as pervasive developmental disorder not otherwise specified; PDD-NOS), Rett syndrome, childhood disintegrative disorder, attention deficit hyperactivity disorder (ADHD) and sensory integration dysfunction.