



Frequently Used Compounds

AUTISM SPECTRUM DISORDER

**Not an all-inclusive list; examples only of more common formulations for ASD. Does not represent full compounding capabilities. New, custom and physician-specific formulations are encouraged.*

Issue	Options																											
Non-compliance: child unable or unwilling to take medication	<ul style="list-style-type: none"> ➤ Compound medication into another dosage form for easier administration, e.g., oral suspensions, suppositories, transdermal gel or rapid dissolve tabs ➤ Flavoring of various oral suspensions and solutions to allow for easier administration of medication to children 																											
Dietary Restrictions	Medications and dietary supplements can be compounded into oral dosage forms that conform to dietary requirements, e.g., casein and/or gluten-free, sugar-free, dye-free, additive-free.																											
Antifungal/Anti-bacterial Therapies	<p>Customized therapies can be compounded as sugar-free, dye-free, gluten and casein-free oral suspensions, with/without flavorings, generally containing one of the following:</p> <ul style="list-style-type: none"> ➤ Nystatin ➤ Fluconazole ➤ Itraconazole ➤ Gentamicin ➤ Vancomycin ➤ Amphotericin B 																											
Dietary Supplementation	<p>Customized supplements compounded as sugar-free, dye-free, gluten and casein-free oral suspensions, with/without flavorings, generally containing a combination of the following vitamin, mineral and other dietary supplements:</p> <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center;"><u>Minerals</u></th> <th style="text-align: center;"><u>Vitamins</u></th> <th style="text-align: center;"><u>Other</u></th> </tr> </thead> <tbody> <tr> <td>▪ Zinc</td> <td>▪ Vitamin C</td> <td>▪ DMG</td> </tr> <tr> <td>▪ Selenium</td> <td>▪ Vitamin E</td> <td>▪ Pycnogenol</td> </tr> <tr> <td>▪ Magnesium</td> <td>▪ Vitamin B6</td> <td>▪ GABA</td> </tr> <tr> <td>▪ Manganese</td> <td>▪ Vitamin B5</td> <td>▪ Folic Acid</td> </tr> <tr> <td>▪ Molybdenum</td> <td>▪ Vitamin B3</td> <td>▪ Melatonin</td> </tr> <tr> <td>▪ Vanadium</td> <td></td> <td>▪ Taurine</td> </tr> <tr> <td>▪ Chromium</td> <td></td> <td>▪ Omega 3 Fatty Acids</td> </tr> <tr> <td>▪ Calcium</td> <td></td> <td></td> </tr> </tbody> </table>	<u>Minerals</u>	<u>Vitamins</u>	<u>Other</u>	▪ Zinc	▪ Vitamin C	▪ DMG	▪ Selenium	▪ Vitamin E	▪ Pycnogenol	▪ Magnesium	▪ Vitamin B6	▪ GABA	▪ Manganese	▪ Vitamin B5	▪ Folic Acid	▪ Molybdenum	▪ Vitamin B3	▪ Melatonin	▪ Vanadium		▪ Taurine	▪ Chromium		▪ Omega 3 Fatty Acids	▪ Calcium		
<u>Minerals</u>	<u>Vitamins</u>	<u>Other</u>																										
▪ Zinc	▪ Vitamin C	▪ DMG																										
▪ Selenium	▪ Vitamin E	▪ Pycnogenol																										
▪ Magnesium	▪ Vitamin B6	▪ GABA																										
▪ Manganese	▪ Vitamin B5	▪ Folic Acid																										
▪ Molybdenum	▪ Vitamin B3	▪ Melatonin																										
▪ Vanadium		▪ Taurine																										
▪ Chromium		▪ Omega 3 Fatty Acids																										
▪ Calcium																												



Frequently Used Compounds

AUTISM SPECTRUM DISORDER

Issue	Options
Eliminating Toxic Metals	<ul style="list-style-type: none"> ➤ DMSA (dimercapto succinic acid)- oral or rectal dosage forms ➤ DMP5 (dimercaptopropanesulfonate) anhydrous transdermal gel, rectal, IV or oral dosage forms ➤ Edetate disodium calcium- rectal suppositories ➤ TTFD (thiamine tetrahydrofurfuryl disulfide)- oral, rectal or transdermal dosage forms ➤ Glutathione anhydrous transdermal gel, SQ or inhaled ➤ Folinic Acid 800mcg ➤ Trimethylglycine (TMG) ➤ Methyl-B12 subcutaneous injections (see below)
Methylcobalamin (Methyl-B12)	<ul style="list-style-type: none"> ➤ Methylcobalamin Subcutaneous Injection ➤ Methylcobalamin with cobamamide ➤ Methylcobalamin with n-acetyl cysteine
Intravenous Immunoglobulin	<p>IV or oral dosage forms of immunoglobulin may neutralize bacteria and viruses and promote phagocytes to attack bacteria and fungi.</p>
Sulfation	<p>Almost all children with autism have very low blood levels of sulfur, which could be responsible for many autistic problems:</p> <ul style="list-style-type: none"> ▪ Glutathione anhydrous transdermal gel, SQ or inhaled ▪ Sulfate creams ▪ Cysteine or n-acetyl cysteine
Digestive Issues	<ul style="list-style-type: none"> ➤ Secretin transdermal or IV dosage forms, is one of the hormones that controls digestion. ➤ Casein free/gluten free medications and supplements compounded for children on restrictive diets ➤ Custom digestive enzyme formulations ➤ Zinc supplementation ➤ Bethanecol ➤ Magnesium citrate, fiber, vitamin C and bethanecol as options for constipation