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SLC6 neurotransmitter transporter family in GtoPdb v.2025.3

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Abstract

Members of the solute carrier family 6 (SLC6) of sodium- and (sometimes chloride-) dependent neurotransmitter transporters [32, 2, 23, 76] are primarily plasma membrane located and may be divided into four subfamilies that transport monoamines, GABA, glycine and neutral amino acids, plus the related bacterial NSS transporters [110]. The members of this superfamily share a structural motif of 10 TM segments that has been observed in crystal structures of the NSS bacterial homolog $LeuT_{Aa}$, a Na^+-dependent amino acid transporter from *Aquiflex aeolicus* [139] and in several other transporter families structurally related to LeuT [49].

Contents

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SLC6 neurotransmitter transporter family
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  https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=176
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Transporters

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GlyT2
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$ATB^{0,+}$
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https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=938

Neutral amino acid transporter subfamily
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Transporters

B^0AT1
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=939
B^0AT2
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B^0AT3
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