

# BLOOD BRAIN BARRIER

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**BLOOD BRAIN BARRIER  
RESEARCH TARGET  
PRODUCTS**



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# BLOOD BRAIN BARRIER

The blood–brain barrier acts as a strict control point that facilitates and control the brain uptake of certain solutes and is created by tight junctions between endothelial cells lining blood vessels, astrocytic end feet and a basement membrane thereby maintaining the homeostasis within the CNS. The ability to cross the blood–brain barrier must be considered for drugs administered peripherally. The BBB target research initiate the potential for a breakthrough in drug delivery systems for diseases such as Alzheimer's disease, Parkinson's disease, autism, brain tumors and chemotherapy-resistant cancers.

Cat No.	Compound Name	Biochemical/ Physiological Action
<b>Antioxidants</b>		
M215000	Melatonin	Scavenging lipid peroxy radicals
A172155	N-Acetyl-L-cystine	Scavenging free radicals
A150400	3-Acetamidocoumarin	Penetrates BBB
C636501	Coenzyme Q10	Penetrates BBB
<b>Cell Adhesion Molecules</b>		
A637475	Andrographolide	ICAM-1 expression Inhibitor
B399710	BIRT 377	LFA-1/ICAM-1 interaction Inhibitor
L330330	Leukadherin 1	Cell adhesion inhibitor
M110390	Magnolol	Vitronectin cell adhesion inhibitor
<b>Cytokines</b>		
M199775	MCC-950	IL-10 synthesis inhibitor
A355020	AF 12198	MIF inhibitor
H673505	HU211	TNF- $\alpha$ production inhibitor
E555802	ENMD 547-d8	IL-8 production inhibitor
<b>Actin Inhibitors</b>		
T808960	Triphenylmethylamine	Actin polymerization inhibitor
A189000	o-Acetyltoluene	Actin assembly inhibitor
C543950	CK-636	Actin filament disruptor
K145600	KD 025	Actin nucleation inhibitor



<b>Kinesin Inhibitors</b>		
T808960	Triphenylmethylamine	KSP inhibitor
C377695	5-Chloro-2-nitroanisole	Allosteric KSP inhibitor
D232655	2'-Deoxycytidine-1'-d Monohydrate	Eg5 kinesin modulator
M505750	Monastrol	Eg5 inhibitor
<b>Myosin Inhibitors</b>		
A603000	N-(4-Aminobutyl)-2-naphthalenesulfonamide	Myosin II ATPase inhibitor
A611050	N-(6-Aminoethyl)-2-naphthalenesulfonamide	Potent myosin II ATPase inhibitor
B592495	Blebbistatin	Selective myosin II ATPase inhibitor
B592530	Blebbistatin O-Benzotate	Non-Selective myosin II ATPase inhibitor



<b>Nitric Oxide Synthase (NOS)</b>		
A614250	N-(3-(Aminomethyl)benzyl)acetamidine Dihydrochloride	iNOS inhibitor
B682505	2-Bromo-5-chlorotoluene	iNOS inhibitor
B690320	tert-Butyl N-[3-(Acetimidoylaminomethyl)benzyl]carbamate	iNOS inhibitor
B686250	3-Bromo-7-nitroindazole	nNOS inhibitor
P835000	N $\omega$ -Propyl-L-Arginine	nNOS inhibitor
A769505	L-Arginine	NO donor
N633005	NO-Aspirin	NO donor
M725000	3-Morpholino Sydnominine Hydrochloride	NO donor
N398500	Nicorandil	NO donor

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**1100**

Product Citations

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**1500**

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In more than

**300**

Universities

Across

**80**

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We at TRC offer products targeting various pharmacological intervention related to whole group of Blood Brain Barrier target compounds belonging to different classes and sub-families of targets for an efficient approach for the design of novel CNS active moieties

