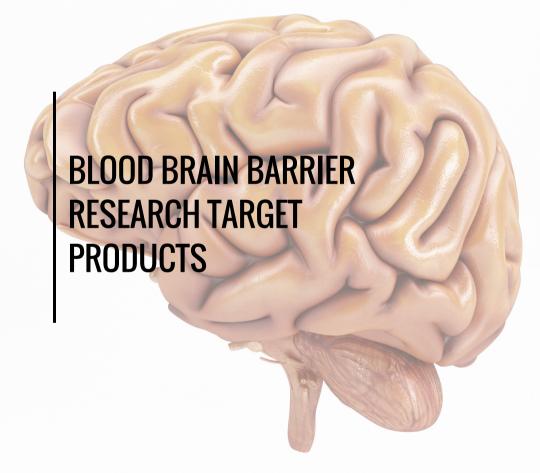
BLOOD BRAIN BARRIER

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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, astroyctic 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	
Antioxidants			
M215000	Melatonin	Scavenging lipid peroxyl radicals	
A172155	N-Acetyl-L-cystine	Scavenging free radicals	
A150400	3-Acetamidocoumarin	Penetrates BBB	
C636501	Coenzyme Q10	Penetrates BBB	
Cell Adhesion Molecules			
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	
Cytokines			
M199775	MCC-950	IL-10 synthesis inhibitor	
A355020	AF 12198	MIF inhibitor	
H673505	HU211	TNF-α production inhibitor	
E555802	ENMD 547-d8	IL-8 production inhibitor	
Actin Inhibitors			
T808960	Triphenylmethylamine	Actin polymerization inhibitor	
A189000	o-Acetyltoluene	Actin assembly inhibitor	
C543950	CK-636	Actin filament disruptor	
K145600	KD 025	Actin nucleation inhibitor	



Kinesin Inhibitors			
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	
Myosin Inhibitors			
A603000	N-(4-Aminobutyl)-2-naphthalenesulfonamide	Myosin II ATPase inhibitor	
A611050	N-(6-Aminohexyl)-2-naphthalenesulfonamide	Potent myosin II ATPase inhibitor	
B592495	Blebbistatin	Selective myosin II ATPase inhibitor	
B592530	Blebbistatin O-Benzoate	Non-Selective myosin II ATPase inhibitor	



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

More than

1100

Product Citations

By more than

1500

Researchers

In more than

300

Universities

Across

80

Countries



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

