

Alzheimer's Disease (AD) Research Products

Alzheimer's disease (AD) is, at present, an irreversible, progressive brain disease that slowly destroys memory and thinking skills, and eventually even the ability to carry out the simplest tasks. Estimates vary, but experts suggest that as many as 5.1 million Americans may have Alzheimer's disease, while a study at the Johns Hopkins Bloomberg School of Public Health (2006) stated more than 26 million people worldwide were estimated to be living with AD and projected the global prevalence of AD at more than 106 million by 2050. The largest increase in AD will occur in Asia (from 12.65 million to 62.85 million in 2050), where 48 percent of the world's Alzheimer's cases currently reside.

BioVision offers many products that are of interest to the many avenues of research for the understanding and treatment of this ever growing disease. Notably, BioVision has introduced the Kynurine 3- Monooxygenase (KMO) inhibitor JM6. Glutamate receptor-mediated excitotoxicity and free radical formation have been correlated with decreased levels of the neuroprotective metabolite kynurenic acid. Inhibition of KMO increases kynurenic acid levels and reduces extracellular glutamate in the brain. This is especially significant since inhibitors like JM6 do not need to penetrate into the blood-brain barrier, but work by inhibiting KMO in the blood then send a protective signal to the brain, to stabilize brain-cell function and prevent neurodegeneration.

Secretases

Assay Kits

Product Name	Cat. No.	Size
β -Secretase Activity Assay Kit	K360	100 assays

Antibodies

Product Name	Cat. No.	Size
TACE Antibody	3222	100 μ g

β -Secretase Inhibitors

Product Name	Cat. No.	Size
Beta-Secretase Inhibitor I	7501	1 mg
Beta-Secretase Inhibitor II	7502	1 mg

γ -Secretase Inhibitors

Product Name	Cat. No.	Size	CAS Number
Compound 34	1898	1 mg, 200 μ g	
Compound E	1949	1 mg, 250 μ g	209986-17-4
DAPT	1855	5 mg	208255-80-5
L-685, 458	1713	250 μ g	292632-98-5

ApoE

Antibodies

Product Name	Cat. No.	Size
ApoE2 Antibody	5760	30 μ g, 100 μ g
ApoE4 Antibody	5699	30 μ g, 100 μ g

Proteins

Product Name	Cat. No.	Size
ApoE2, human recombinant	4760	50 μ g, 100 μ g, 500 μ g, 1 mg, 5 mg
ApoE4, human recombinant	4699	50 μ g, 100 μ g, 500 μ g, 1 mg, 5 mg

Presenilin

Antibodies

Product Name	Cat. No.	Size
Presenilin 1 Antibody	3481	100 μ g
Presenilin 2 Antibody	3482	100 μ g

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Toll Free: 800-891-9699 (US Only)



GSK3 and β -Catenin

Antibodies

Product Name	Cat. No.	Size
GSK-3a Antibody	3493	100 μ g
GSK-3b Antibody	3494	30 μ g, 100 μ g
Phospho- β -Catenin Antibody	3381	100 μ g
Phospho-GSK-3a Antibody	3516	100 μ g
Phospho-GSK-3b Antibody	3495	100 μ g

Enzymes

Product Name	Cat. No.	Size
GSK-3a-GST Fusion Protein	7003	100 μ g
GSK-3 β , human recombinant	7004	10 μ g, 100 μ g, 1 mg

Inhibitors

Product Name	Cat. No.	Size	CAS Number
1-Azakenpauillone	1944	1 mg, 5 mg	676596-65-9
Alsterpauillone	1897	1 mg, 5 mg	237430-03-4
BIO	1673	1 mg	667463-62-9
Bisindolylmaleimide I	1945	1 mg, 5 mg	133052-90-1
Bisindolylmaleimide I hydrochloride	1947	1 mg, 5 mg	176504-36-2
CHIR 99021	1677	5 mg, 25 mg	252917-06-9
EZSolution™ CHIR99021	1748	5 mg	252917-06-9
GSK-3 β Inhibitor, TWS119	1655	2 mg	601514-19-6
Kenpauillone	1904	1 mg	142273-20-9
Ro 31-8220 methanesulfonate	1946	1 mg, 5 mg	138489-18-6
SB 216763	1769	1 mg, 5 mg	280744-09-4

APP

Antibodies

Product Name	Cat. No.	Size
TACE Antibody	3222	100 μ g

Tau

Antibodies

Product Name	Cat. No.	Size
Tau Antibody	3549R	30 μ g, 100 μ g
Tau-13 Antibody (Clone B11E8)	3453	100 μ l

Tau

Antibodies

Product Name	Cat. No.	Size
Notch 1 Antibody	3881	30 μ g, 100 μ g

Kynurinine 3- Monooxygenase (KMO)

Antibodies

Product Name	Cat. No.	Size	CAS Number
JM6	1913	5 mg, 25 mg	N/A
Ro 61-8048	1912	5 mg, 25 mg	199666-03-0

HDACs

Assay Kits

Product Name	Cat. No.	Size
HDAC Activity Colorimetric Assay Kit	K331	100 assays
HDAC Activity Fluorometric Assay Kit	K330	100 assays
HDAC Inhibitor Drug Screening Kit (Fluorometric)	K340	100 assays
HDAC3 Activity Fluorometric Assay Kit	K343	100 assays
HDAC3 Inhibitor Screening Kit (Fluorometric)	K363	100 assays
HDAC8 Activity Fluorometric Assay Kit	K348	100 assays
HDAC8 Inhibitor Screening Kit (Fluorometric)	K368	100 assays

Antibodies

Product Name	Cat. No.	Size
HDAC Family Antibody Set	K333	11x 30 μ g
HDAC1 Antibody	3601	30 μ g, 100 μ g
HDAC10 Antibody	3610	30 μ g, 100 μ g
HDAC2 Antibody	3602	30 μ g, 100 μ g
HDAC3 Antibody	3603	30 μ g, 100 μ g
HDAC4 Antibody	3604A	30 μ g, 100 μ g
HDAC4 Antibody	3604	30 μ g, 100 μ g
HDAC5 Antibody	3605	30 μ g, 100 μ g
HDAC6 Antibody	3606	30 μ g, 100 μ g
HDAC7 Antibody	3607	30 μ g, 100 μ g
HDAC8 Antibody	3608	30 μ g, 100 μ g
HDAC9 Antibody	3609	30 μ g, 100 μ g

HDACs

Enzymes

Product Name	Cat. No.	Size
HDAC-3, human recombinant	7613	250 units, 1000 units
HDAC-8, human recombinant	7618	20 µg, 100 µg, 1 mg
HeLa Nuclear Extract	1641	100 µg, 1 mg

Inhibitors

Product Name	Cat. No.	Size	CAS Number
Apicidin	1601	1 mg	183506-66-3
CI-994	1742	10 mg, 50 mg	112522-64-2
CUDC-101	1966	5 mg, 25 mg	1012054-59-9
DiscoveryPak™ HDAC Inhibitor Set	K851	6 inhibitors	Multiple
M344	1607	1 mg	251456-60-7
MS-275 (Entinostat, SNDX-275)	1590	1 mg, 5 mg	209783-80-2
Panobinostat (LBH589)	1612	1 mg, 5 mg, 25 mg	404950-80-7
SAHA	1604	1 mg, 5 mg	149647-78-9
Sodium 4-phenylbutyrate	1608	100 mg, 1 g	1716-12-7
Sodium butyrate	1609	1 g	156-54-7
Splitomicin	1610	5 mg	5690-03-9
Trichostatin A	1606	1 mg	58880-19-6
Tubacin	1984	250 µg, 1 mg	537049-40-4
Tubastatin A	1724	1 mg, 5 mg	1239262-52-2
Valproic Acid, Sodium Salt	1647	200 mg	1647-200

Please visit www.BioVision.com for a comprehensive overview on our products!!