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dl-3-n-Butylphthalide Prevents Neuronal Cell Death after ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3099257>

Nov 04, 2010 · **dl-3-n-Butylphthalide** (NBP) has shown cytoprotective **effects in animal models** of **stroke** and has passed clinical trials as a therapeutic drug for **stroke** in China. Hence, as a potential clinical treatment for **stroke**, understanding the mechanism(s) of action of ...

Cited by: 149

Author: Jimei Li, Yin Li, Molly Ogle, Molly Ogle, Xin ...

Publish Year: 2010

Animal models of ischemic stroke and their application in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4494187>

Jul 02, 2015 · (3) **Pathophysiological** events occurring during the first minute of an **ischemic stroke** are most often not detectable by imaging techniques used in **human stroke** and thus can be studied only in an **animal model**.

Cited by: 169

Author: Felix Fluri, Michael K Schuhmann, Christop...

Publish Year: 2015

DL-3-n-butylphthalide promotes remyelination process in ...

<https://www.sciencedirect.com/science/article/pii/S0006899319301568>

DL-3-n-butylphthalide promotes remyelination process in cerebral white matter in rats subjected to **ischemic stroke** Author links open overlay panel Xi Cheng a Huibin Wang a Chang Liu a Shanshan Zhong a Xueli Niu b Xiuchun Zhang a Ruiqun Qi b Shanshan Zhao a Xiaoqian Zhang a Huiling Qu c Chuansheng Zhao a

Efficacy and safety comparison of DL-3-n-butylphthalide ...

https://www.researchgate.net/publication/297756343_Efficacy_and_safety_comparison_of...

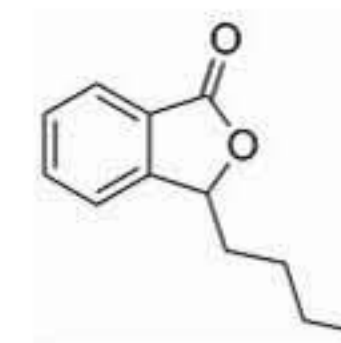
Download Citation on ResearchGate | Efficacy and safety comparison of **DL-3-n-butylphthalide** and **Cerebrolysin**: **Effects on** neurological and behavioral outcomes in acute **ischemic stroke** ...

[PDF] DL-3-n-butylphthalide protects the BBB of cerebral ...

<https://www.europeanreview.org/wp/wp-content/uploads/2109-2118.pdf>

achieving its protective **effect** on the brain. Key Words: **DL-3-n-butylphthalide**, Blood brain barrier, Nrf-2, HO-1. Introduction **Ischemic stroke** is the most common type of **stroke** worldwide. Assessments of disease bur-

Butylphthalide



Butylphthalide is one of the chemical constituents in celery oil, along with sedanolide, which is primarily responsible for the aroma and taste of celery. Studies in animal models suggest that butylphthalide may be useful for the treatment of hypertension and may have neuroprotective effects. In 2002, NBP was approved in China for the treatment of cerebral ischemia.

Wikipedia

Chemical formula: C₁₂H₁₄O₂Data from: [Wikipedia](#)[Suggest an edit](#)

Name of Journal: *World Journal of Meta-Analysis*

Manuscript NO: 49006

Manuscript Type: META-ANALYSIS

Effect of dl-3-n-butylphthalide on infarction volume in animal models of ischemic stroke: A meta-analysis

Luan D *et al.* Dl-3-n-butylphthalide reduces cerebral infarction volume

Di Luan, Zheng-Yu Wu, Yuan-Xiang Zhang, Li-Li Yuan, Yang Xu, Zhao-Hu Chu, Ling-Song Ma, Ya-Ping Wang, Shou-Cai Zhao

Abstract

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DL-3- N -Butylphthalide Alleviates the Blood–Brain Barrier ...

<https://www.sciencedirect.com/science/article/pii/S030645221930435X>

DL-3-n-butylphthalide (NBP) is an extraction from Chinese celery *Apium graveolens* Linn seeds and has neuroprotective **effects** in **ischemic stroke**. This study explored **effects of NBP** on BBB disruption caused by cerebral IR and transformation of tight junctions (TJs)-associated proteins and caveolae.

Author: Jiamin Li, Yang Liu, Xiangjian Zhang, ... **Publish Year:** 2019

[PDF] DL-3-n-butylphthalide protects the BBB of cerebral ...

<https://www.europeanreview.org/wp/wp-content/uploads/2109-2118.pdf>

achieving its protective **effect** on the brain. Key Words: **DL-3-n-butylphthalide**, **Blood brain barrier**, **Nrf-2**, **HO-1**. Introduction **Ischemic stroke** is the most common type of stroke worldwide. Assessments of disease bur-den, injury, and risk factors have shown that **cerebral infarction** is the second most common cause of death and the third most common cause

DL-3-n-butylphthalide improves ventricular function, and ...

<https://link.springer.com/article/10.1007/s00210-018-1490-8> ▼

Mar 30, 2018 · **DL-3-n-butylphthalide (NBP)** is used in the treatment of **ischemic stroke**. It was demonstrated NBP also has a cardioprotective **effect in acute myocardial infarction (MI)** model. However, the **chronic effects of NBP** on ventricular function, remodeling, and arrhythmias in post-MI stage are unknown.

Author: Huiliang Qiu, Jin Ma, Huanlin Wu, Hu... **Publish Year:** 2018

[PDF] DL-3-n-butylphthalide protects the heart against ...

<https://jbiomedsci.biomedcentral.com/track/pdf/10.1186/s12929-017-0345-9?site=...>

Background: Myocardial **infarction (MI)** is an acute and fatal condition that threatens human health. **DL-3-n-butylphthalide (NBP)** has been used for the treatment of acute **ischemic stroke**. Mitochondria may play a protective role in MI injury. However, there are few reports on the cardioprotective **effect** of NBP or the potential mitochondrial

Cited by: 7

Author: Xiaochao Tian, Weiliang He, Rong Yang, ...

Publish Year: 2017

Inhibiting of GRASP65 Phosphorylation by DL-3-N ...

<https://www.hindawi.com/journals/bn/2018/5701719> ▼

DL-3-n-butylphthalide (NBP) is a racemic compound developed from L-3-n-butylphthalide, which was