



ADDICTION SCIENCE SERIES

Brorphine

Brorphine is an opioid substance which acts in a similar manner to heroin, fentanyl and other drugs in this class. However, its safety profile (e.g., the difference between an intoxicating dose and a lethal dose) is unknown, having never been established in either humans or sub-human animals. In addition to the possibility of respiratory depression, brorphine may carry risks to the cardiovascular system. It is an hERG potassium ion channel inhibitor and can produce life-threatening cardiac arrhythmia.

Despite the potential safety issues and lack of animal studies, brorphine is sold on the street as heroin, and as of late 2020, has been responsible for numerous deaths.