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Research Profile

- Laboratory animal science in cardiovascular pharmacology

Publications

1. Booranasubkajorn S, Huabprasert S, Wattanarangsana J, Chotitham P, Jutasompakorn P, Laohapand T, Akarasereenont P, **Tripatara P**. Vasculoprotective and vasodilatation effects of herbal formula (Sahatsatara) and piperine in spontaneously hypertensive rats. *Phytomedicine*. 2017 Jan 15;24:148-156. doi: 10.1016/j.phymed.2016.11.013. Epub 2016 Nov 23.
2. Pluemsamran T, **Tripatara P**, Phadungrakwittaya R, Akarasereenont P, Laohapand T, Panich U. Redox Mechanisms of AVS022, an Oriental Polyherbal Formula, and Its Component Herbs in Protection against Induction of Matrix Metalloproteinase-1 in UVA-Irradiated Keratinocyte HaCaT Cells. *Evid Based Complement Alternat Med*. 2013;2013:739473. doi: 10.1155/2013/739473. Epub 2013 Sep 19.
3. Tripatara, P., Onlamul, W., Booranasubkajorn, S., Wattanarangsana, J., Huabprasert, S., Lumlerdkij, N., Akarasereenont, P., Laohapand, T. The safety of Homnawakod herbal formula containing Aristolochia tagala Cham. in Wistar rats. *BMC Complement Altern Med*. 2012;12(1):170.
4. Milsom AB, Patel NS, Mazzone E, **Tripatara P**, Storey A, Mota-Filipe H, Sepodes B, Webb AJ, Cuzzocrea S, Hobbs AJ, Thiemermann C, Ahluwalia A. Role for endothelial nitric oxide synthase in nitrite-induced protection against renal ischemia-reperfusion injury in mice. *Nitric oxide*. 2010 ;22(2):141-8.
5. **Tripatara P**, Patel NS, Brancaleone V, Renshaw D, Rocha J, Sepodes B, Mota-Filipe H, Perretti M, Thiemermann C. Characterisation of cystathionine gamma-lyase/hydrogen sulphide pathway in ischaemia/reperfusion injury of the mouse kidney: an in vivo study. *Eur J Pharmacol*. 2009;606(1-3):205-9.

6. **Tripatara P**, Patel NS, Collino M, Gallicchio M, Kieswich J, Castiglia S, Benetti E, Stewart KN, Brown PA, Yaqoob MM, Fantozzi R, Thiernemann C. Generation of endogenous hydrogen sulfide by cystathionine gamma-lyase limits renal ischemia/reperfusion injury and dysfunction. *Lab Invest.* 2008;88(10):1038-48.
7. **Tripatara P**, Patel NS, Webb A, Rathod K, Lecomte FM, Mazzon E, Cuzzocrea S, Yaqoob MM, Ahluwalia A, Thiernemann C. Nitrite-derived nitric oxide protects the rat kidney against ischemia/reperfusion injury in vivo: role for xanthine oxidoreductase. *J Am Soc Nephrol.* 2007;18(2):570-80.
8. Akarasereenont P, **Tripatara P**, Chotewuttakorn S, Palo T, Thaworn A. The effects of estrone, estradiol and estriol on platelet aggregation induced by adrenaline and adenosine diphosphate. *Platelets.* 2006 ;17(7):441-7.

Abstracts/presentations

1. **Tripatara P**, Patel NS, Collino M, Gallicchio M, Kieswich J, Castiglia S et al. Generation of endogenous hydrogen sulphide by cystathionine gamma-lyase limits renal ischaemia/reperfusion injury and dysfunction. From the EPHAR 2008 Congress, Manchester, UK, July 2008: Proceedings of the British Pharmacological Society at <http://www.pa2online.org/abstracts/Vol6Issue2abst003P.pdf>
2. **Tripatara P**, Patel NS, Collino M, Brancaleone V, Renshaw D, Sepodes B et al. Hydrogen sulphide and ischaemia/reperfusion injury of the kidney. *William Harvey Annual Research Review*, William Harvey Research Institute, London, UK, November 2007.
3. **Tripatara P**, Patel NS, Thiernemann C. Inhibition of hydrogen sulphide formation protects against ischaemia/reperfusion injury in the rat kidney. *William Harvey Day*, St Bartholomew's Hospital, London, UK, October 2006.
4. Patel NS, **Tripatara P**, Thiernemann C (2006). Inhibition of hydrogen sulfide synthesis protects the rat kidney in vivo against ischemia-reperfusion injury. From the 29th Annual Conference of American Shock Society, Broomfield, Denver, USA, June 2006: Meeting Abstract in *Shock* 25: 37.
5. **Tripatara P**, Patel NS, Thiernemann C. Local administration of sodium nitrite attenuates renal ischaemia/reperfusion injury. *William Harvey Day St Bartholomew's Hospital, London, UK, October 2005.*