

reason for the bad results with arginine in the intestinal tract was an increase in the occurrence of adhesions (connections between wounded areas) that are especially dangerous in the intestinal tract, but less problematic in other areas.

Another study found that BPC-157 was alone able to counteract the effects of the sodium channel blocker lidocaine when injected into the leg of a rat. Arginine alone was able to produce a similar effect under certain conditions, when given together, arginine did not increase the effects of BPC-157, nor weaken it.⁷

One patent (US9850282B2) from the year 2013 claims the invention of several salts of BPC-157 as alternatives to "regular" BPC-157. These salts include the arginate salt, but also lysine and ornithine (two similar amino acids to arginine). This rationale is different from other studies, since in the other studies, arginine is added to supply an additional effect, while in this patent, the authors claim the formulation as BPC-157 salts of arginine, ornithine and lysine are more stable in gastric juice under physiological conditions and hence should have a higher oral bioavailability. However, the patent also claimed that a regular sodium salt has almost the same stability in gastric juice as BPC-157 arginate. On the other side, the acetate salt seems to be considerably less stable, but there are only very few examples in total. In general, it is questionable

whether the counter ion of BPC-157 would have a major influence on its stability in gastric juice, as solubility is expected to be high in all cases and the molecule is very unlikely to be protected from enzymatic degradation by remote counter ions.

Conclusion

In most animal studies, the combination of BPC-157 with arginine did show either no or only a small benefit on wound healing compared to only BPC-157 alone. One study did even show problematic wound healing if both are combined. Hence, there is no clear benefit to use this combination. In addition, in the study that showed a benefit, L-arginine was supplied in much higher quantities compared to BPC-157, making the use of a BPC-157 arginine salt, in which arginine has a lower weight % compared to BPC-157, highly questionable. On the other hand, it is also unlikely that BPC-157 arginate is less effective than other forms of BPC-157.

There are no human trials that combine BPC-157 with arginine.

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