Methods and Compositions for Treating Phenylketonuria

Inventor: Reuben Matalon

Description:
Provided herein are methods for treating a subject suffering from phenylketonuria by administering a phenylalanine hydroxylase ("PAH") and/or a phenylalanine ammonia lyase ("PAL") to the subject under conditions effective to deliver the phenylalanine 4-hydroxylase and/or PAL to the subject's small intestine. Also provided are methods for increasing the therapeutic activity of a phenylalanine 4-hydroxylase by thiolating the phenylalanine 4-hydroxylase. In addition, provided are oral dosage forms that include a phenylalanine 4-hydroxylase and/or a PAL and an enteric coating.

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Contact:
Sundeep Mattamana, Ph.D.
Associate Director
Office of Technology Transfer
(409) 772-0374
sumattam@utmb.edu